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6208  
*Aggeler & Musser  
Seed Co.*

U. S. Department of Agriculture,  
Washington, D. C.

*New Cactus Nahlia  
Zeppelin III*

*1912*

## To Our Friends and Patrons:

Again we have the pleasure of greeting our many customers through the medium of our annual catalog, which we have endeavored to improve over all past issues. It may be needless for us to tell our many permanent customers of the quality of our Seeds, Plants, and Bulbs; but to those who receive this catalog, and who have never used our goods, we ask a trial order.

### Order Early

It will be a great advantage, both to customers and ourselves, if orders are sent in as early as possible. Please be particular to give name, full address, and shipping directions. Every season we get a number of orders without name of sender or Post Office, and the post-mark on the envelope is often too obscure to be made out. There is no way of finding out who the senders are; consequently we are blamed, whereas the fault is their own entirely.

### Keep a Copy of Your Order

Check goods received with this copy. Sometimes items are sold out, or will follow later, in which case a slip is enclosed with other goods, or notice sent. In case of error, notify us immediately, that correction may be made.

### Orders are Promptly Filled

Or in case of delay, notified by postal card. If you do not hear from an order sent us, within a reasonable time, send us a duplicate order covering date of order, amount of same and form of remittance, your name and full address. If you cover these points in your first letter, a long delay is often saved in tracing.

### Our Terms

Are strictly cash with order. We prefer not to send C. O. D., but if wanted by that method, customers should enclose  $\frac{1}{4}$  of the amount in remittance with order.

### How to Send Money

This can be done either in the form of a Postal Money Order, Bank Draft, Express Order, Registered Letter, or Cash may be sent by Express. Remittances sent in any other way are entirely at the sender's risk. Small amounts may be sent in postage stamps,—5c or 10c stamps preferred.

Make Money Orders payable to the

## AGGELER & MUSSER SEED CO.

113-115 North Main Street

Los Angeles, Cal.

## The Nineteenth Annual Catalogue of the **Aggeler & Musser Seed Company**

Established 1893, Incorporated 1896. At the time of our incorporation our floor space of twenty by forty feet afforded ample space in which to do all the business at our command. Our growth has been steady but always increasing, until now more than 10,000 square feet of floor space is required to accommodate our retail department alone, while much more space is used in various warehouses for the storage of seeds and grain.

We have annually more than five hundred acres growing in seeds for us in Southern California under our supervision, yet the acreage for growing our seeds is scattered to every quarter of the earth, as experience has taught us where the best seeds grow. But we find that the seeds that produce the best results here are the certain strains of various kinds that have originated and acclimated right here in Southern California, discovered and introduced by us. The more meritorious of these are the A. & M. Hybrid Casaba; Oregon Evergreen Sweet Corn; WATER-MELON: Angeleno, Chilian and Klondike; MUSKMELON: Pineapple, and A. & M. Triumph; the Anaheim Chili Pepper, California Pearl Cauliflower, Kentucky Wonder Wax Beans, Monstrous Bush Lima, the now famous White Rose Potato, and the A. & M. First Early Tomato. We also mention a few more recent creations of such merit as to make them speedily popular: The White Australian Onion, Arbor Bean, Rule's Choice Muskmelon. All are creations of the climate and soil of Southern California, and growers will do well to give them preference over all other varieties.

**Always Up to Date.** The rapid growth of our business each year is conclusive evidence that our seeds are giving satisfaction, that the care we exercise to guide new settlers in their selection of the proper varieties of seed suited to the soil, the season, and to the purpose or market for which each crop is intended, all prove our sincerity of purpose to help the grower be he rancher or gardener in the proper selection of seeds.

We are strictly a market gardener's seed house in every sense of the word. Our practical experience in growing and marketing enables us to give proper directions and advice to new and inexperienced growers in every phase of the profession, from the selection of the seed to the marketing of the crop.

We request all newcomers who contemplate putting in a garden, whether for private use or for market, to consult us concerning the selection of seed, preparation of the soil, fertilization, irrigation, preparing and marketing the produce.

On the first pages of this catalog we will give special mention and description of the most profitable varieties to plant, according to the market for which they are intended. Special mention will also be given to a number of new vegetables of exceptional merit that are not generally known.

## **Profit from Vegetables**

### **Truck Farmers Near Town Have Big Advantage in Retailing**

The retailing of fresh vegetables and small fruits is much the most profitable way of disposing of the home-grown products. The farmer living on a good wagon road, within five miles of a flourishing town or village, can build up a profitable trade for all he can produce of fresh vegetables, fruits, poultry and dairy products. The road of success depends largely upon the ability of the grower to furnish a good article on time, give honest measure and to have polite, obliging manners. Politeness, honesty and quality of produce goes a long way in making and holding custom. Vegetables for the retail trade may be allowed to become fully ripe; for the wholesale market they must be gathered when not quite ripe. Freshly cut cabbage, turnips, beets, carrots and salsify roots gathered fresh from the garden are tender and well flavored. Any one accustomed to eating freshly grown vegetables will readily give an extra price for such. Farmers far from market should grow only those vegetables and fruits that are best suited to their soil and climate and are most wanted. It is best to study the market and consult commission agents, also the experienced seedmen. The retail trade is the most profitable, as just double cash price can be had for everything. Read page 15.

## The Monstrous Bush Lima Bean

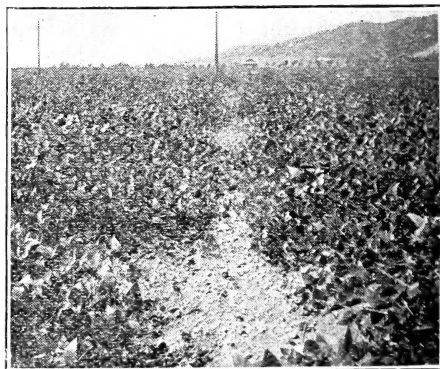
Originated in Orange County, Cal. Introduced by us in 1908. This picture is the actual size of the bean.

Again after another year of experience with this wonderful bean, we can add much in praise of its merits. Mr. Brown, of Orange County, sent to the State Fair at Sacramento one vine three years old, bearing 231 marketable pods. It was planted July, 1909, matured a crop November and December, a second crop beginning May 30th, 1910, bore continuously until December, and a third crop beginning May 10th, 1911, and was yet in full bearing October 1st, 1911. This bean is rapidly superceding the winter pepper in Orange County.

It is the largest bean in existence, and the best, having a flavor exactly like the little wild chestnut of the East. No home gardener will be without this bean after once having grown and tasted it.

This is surely the bean for the South. Plant six feet apart in rows eight feet apart, allowing only one stalk to grow in a hill.

Four lbs. will plant an acre.

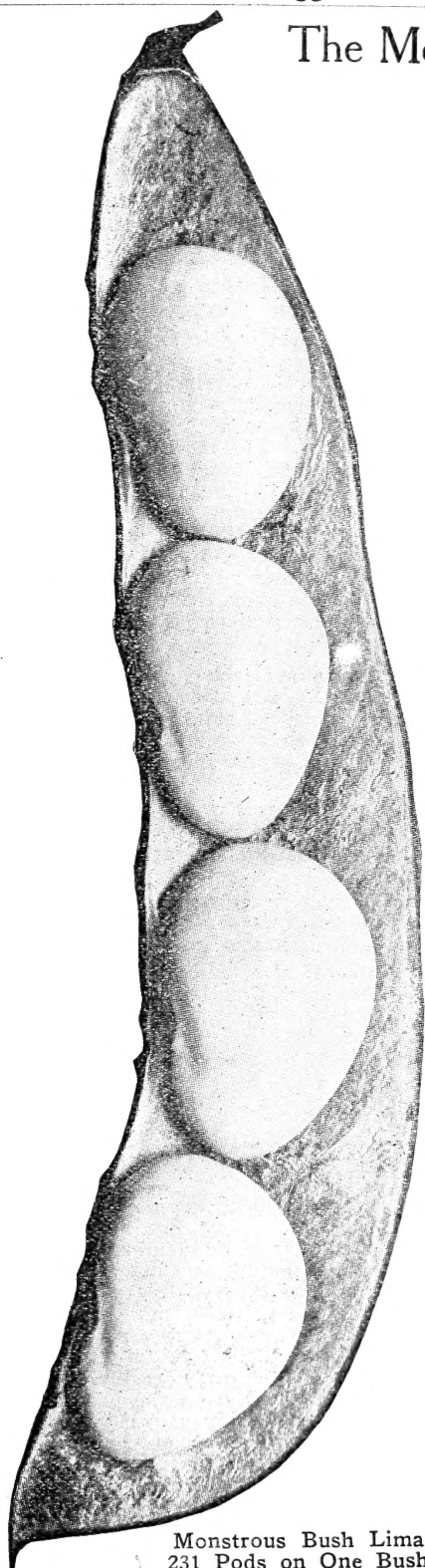


A view of Mr. Handy's field planted eight feet apart. This field was yet quite young when this picture was taken. Mr. Wisler of this city, says: "You have not exaggerated, it is even more than you have claimed."

The vines completely cover the ground, although planted eight feet apart.

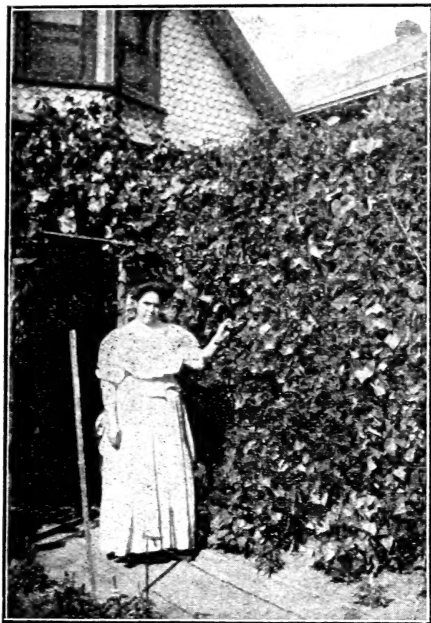
Mr. Blake supplied the Hotel at Redondo with this bean from November until February. They would have no other.

Price—(Pkt, 10c) (¼ lb. 20c) (1 lb. 50c)  
Postpaid) (5 lbs. \$2.00) (100 lbs. \$25.00).



Monstrous Bush Lima  
231 Pods on One Bush

## The Arbor Bean



This bean is new to the American people, but popular in Sunny Italy, where it is grown in many back yards over arbors to shade a porch or window. The accompanying picture shows the home of Mr. Garbarini in Los Angeles. Within six weeks it will grow to a height of ten feet, and during the summer will exceed thirty feet, bearing edible beans at six weeks, and continues until frost. The beans are tender, and in flavor equal to the best. They should be sliced before cooking, same as the popular Scarlet Runner. If you want shade, be sure to plant these beans and you will have both shade and an abundance of beans.

Mr. Frank Garbarini says this bean will grow a longer vine and produce more beans than any other known variety.

At the home of H. L. Musser in Los Angeles, 150 hills planted May 3rd grew three feet in three weeks, ten feet in six weeks; Sept. 1st the vines were thirty feet long, bearing an abundance of pods. We were unfortunate last year to lose our entire supply of seed. We have now a very limited supply, and can offer them only in packets and ounces.

Price—(Pkt. 10c) (1 oz. 20c).

## The Scarlet Lima Bean

This bean is quite unknown to this section. It is similar in shape to the Monstrous Lima, differing only in having a dark scarlet color. It is equal to any other lima for the table.

Price—(1 oz. 10c) ( $\frac{1}{4}$  lb. 25c).



Winningstadt Cabbage

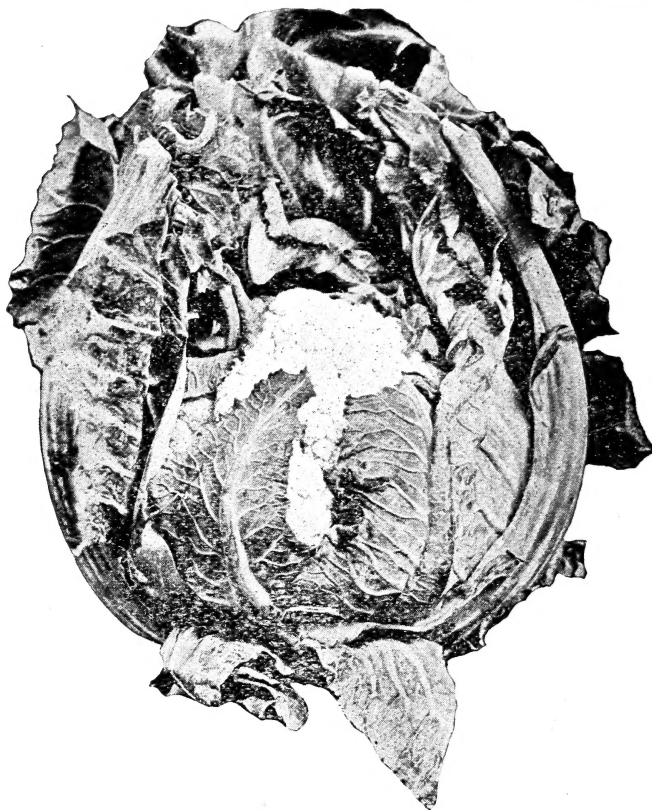
## Winningstadt Cabbage

No other vegetable listed in our catalog has retained its popularity so continuously and for such a long time as our Quedlinburg strain of Winningstadt Cabbage, introduced by us in 1896, fifteen years ago. It is now, and has been ever since that date, the most popular cabbage grown on this Coast. It is popular because it is early, solid, good flavor, sure header, and the best shipper.

Price—(Per pkt. 5c) (oz. 20c) ( $\frac{1}{4}$  lb. 60c) (1 lb. \$2) (5 lbs. \$9) post-paid.

Superior stocks are necessary to the prosperity of the market gardener. The inferior article may be more attractive at the beginning, because it costs less, but the superior seed gives the most valuable product. You are bound to get the best vegetable seeds from us. We sell to market gardeners who must have only the best. No other seed house on the Pacific Coast caters to the market gardener as we do. The cheaper is never the best. The best is always the cheapest. Plant Aggeler & Musser's Reliable Seeds and insure success.

## California Pearl Cauliflower



This variety is a favorite from California to New York, because of its excellent shipping qualities. It originated here and has made Southern California famous for her excellent cauliflower. The California Pearl is thoroughly adapted to a semi-tropical climate and is particularly suited for shipping because of the flower being completely enveloped within spiral curled leaves, which protect the flower from injurious exposure to rain, sunshine or frost, but particularly from injury in packing and in transit. It retains its fresh appearance longer than any other variety. It is decidedly the shippers' favorite. It is the gardeners' the dealers' and the consumers' favorite.

Notice the spiral curled leaves how they completely envelope the flower.

California Pearl  
Price—(Pkt. 15c) ( $\frac{1}{4}$  oz. 65c) (oz. \$2.00) ( $\frac{1}{4}$  lb. \$5.00) (1 lb. \$18.00) postpaid.

## Our Extra Early Snowball Cauliflower

Our Extra Early Snowball Cauliflower, grown in Holland, has proven perfectly satisfactory for the past twelve years. Planted July 15th it can be marketed in December. It is the best early cauliflower yet offered by any seed house.

Price—(Pkt. 25c) ( $\frac{1}{4}$  oz. 75c) (oz. \$2.50) ( $\frac{1}{4}$  lb. \$8.00) postpaid.



Lemon Cucumber

## Lemon Cucumber

Every family garden should have several hills of this delicious cucumber; having tasted it once, you will prefer it to the common cucumber. We are safe to predict that the Lemon Cucumber will become a great favorite as a table delicacy. It is an excellent shipper, as proven last spring, when it appeared on the market ahead of all other varieties. We shipped a box to Chicago; it was four days in transit and retained its crispness for several days after its arrival. Pickled as a gherkin it is delicious. Three hills will be quite enough to supply one family with cucumbers all season.

# CORN

## A. & M. OREGON EVERGREEN (SWEET CORN)

Originated in Los Angeles County, Cal.

Oregon Evergreen Corn now has the endorsement of every gardener that grows for the Los Angeles market. We are safe to say that any gardener growing this corn for any other market, will have the lead of all competitors just as soon as he will show to his customers its superiority over all other sweet corn. This is the seventh year since we first offered this new and distinct variety. The demand has grown each year until it is now practically the only variety offered on the Los Angeles market. The peddlers will have no other and one no longer hears the consumer complain about the poor quality of the California sweet corn. The advantages of this corn over all others are its earliness, its large size, rarely less than eight inches long, clear of husk. The grains are full to the tip. The husk is very thick and folds so tightly over the grains that the worm does very little damage, compared with other varieties. The thick husk is also desired by the peddler and the groceryman, because it can be held over two days before it appears old or wilted. It is very productive, averaging three good ears to every stalk, often bearing five marketable ears. This too is the ideal corn for the canner, because a field of this variety remains in prime condition for canning a period of three weeks, while other varieties cannot be used ten days after the first picking. It is worth to the canner just twice as much as other varieties.

Price—(Pkt. 5c) (1 lb. 20c) (10 lbs. \$1.50) (By mail, 10c per pound extra) (100 lbs. \$10.00)

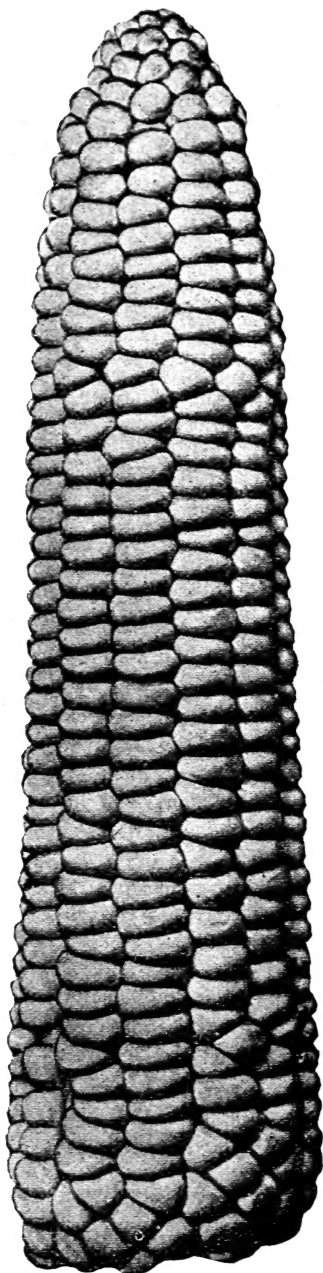
## A. & M. EARLY ADAMS

Originated in Orange Co., California

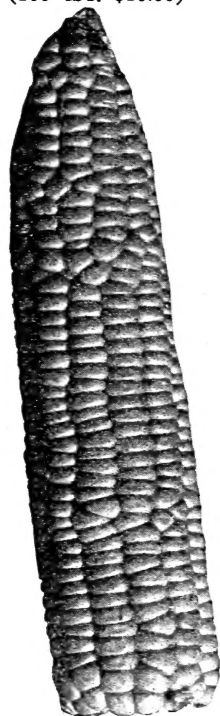
This is a blend between the Oregon Evergreen and the Eastern Extra Early Adams. The superiority of this strain over the former Eastern-grown Adams is shown in its earliness, large size and sweetness. It is nearly as good as the Oregon Evergreen, and is earlier and hardier. It is one of the many good things that originated here

A number of gardeners who saw this corn on the market last season have already purchased or ordered their supply of this seed for next season. They positively do not want the Eastern grown seed.

Price—(Pkt. 5c) (1 lb. 15c) (10 lbs. \$1.25) (By mail, 10c per pound extra) (100 lbs. \$9.00)

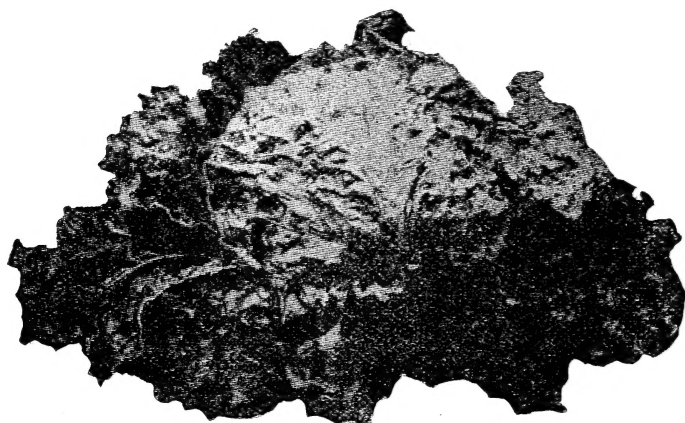


A. & M. Oregon Evergreen



A. & M. Early Adams  
½ Natural Size

# LETTUCE



New York Special (Select)

## NEW YORK SPECIAL

This variety should more appropriately be called the Los Angeles Lettuce, because in Northern and Eastern cities, wherever it appears on the vegetable stands, it is called the Los Angeles Lettuce, and commands a more ready sale and higher price than any other variety, because of its crispness and excellent flavor. In the Southwest it should be planted only during winter months, from Sept. 1st to Feb. 1st.

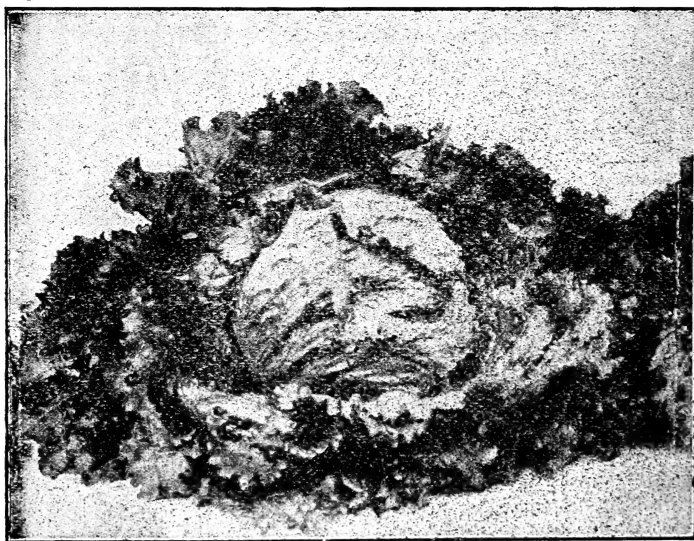
**Price—**(Pkt. 5c) (oz. 20c) ( $\frac{1}{4}$  lb. 50c) (1 lb. \$1.75) (5 lbs. \$8.00) postpaid.

We give particular attention to securing the best strains of Lettuce. The two varieties described on this page are undoubtedly the best for Southern California. Plant Marblehead all the year but the New York Special only from Sept. 1st until Feb. 1st.

Mr. Paul J. Case, of New Mexico, says his New York Special is fit to set before a king.

## MARBLEHEAD LETTUCE

This is an improved strain of the well known Iceburg. The heads are more solid and for all the year round there is no better lettuce. It is crisp, has a delicious



nutty flavor. Our seed is grown from selected seed stock and every plant that would not head properly was cut out and not allowed to go to seed.

We are safe to guarantee that from October until May, with proper care, fully ninety per cent of them will make perfect heads.

**Price** (Pkt. 5c) (oz. 15c) ( $\frac{1}{2}$  lb. 35c) (lb. \$1.25) (5 lbs. \$5.50) postpaid.

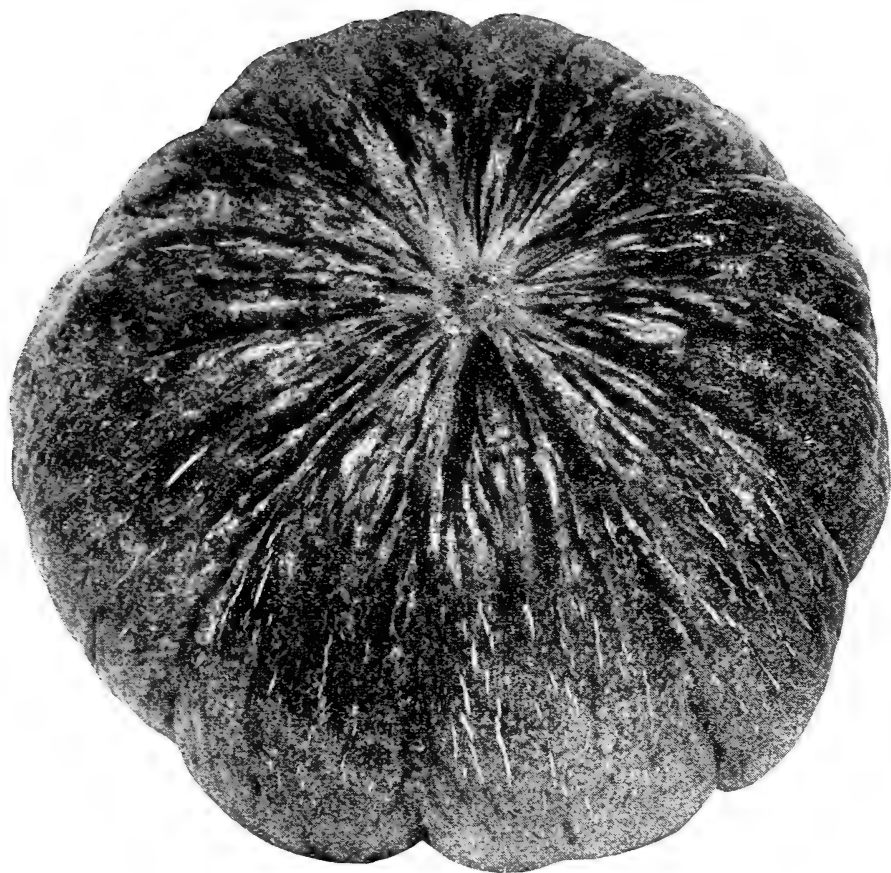
From \$300 to \$40,000 in twelve years is the record of one gardener living near Los Angeles where he could sell direct to the dealer and consumer. It required two seasons to thoroughly learn marketing to secure the highest returns. \$600 is the record income: from one acre of cucumbers; \$450 from lettuce; \$500 from peppers; \$300 from sweet corn; \$700 from egg plants; \$600 from summer squash. These are record figures but you can by proper methods attain better than half as an average return.

## A. & M. Improved Hybrid Casaba

Originated in Los Angeles County

Introduced by us in 1902

(See other Casabas—Page 36.)



This is the Prince of all the casabas. The original Turkish casaba brought to this country about thirty years ago, found its ideal home in Southern California. This casaba became hybridized with the Montreal muskmelon. This produced a delicious casaba, but too large and too soft to become a popular market melon for all purposes. The shipper could not use it, and the peddler could not handle it with profit, but the consumer called for it. By careful selection for several years we now have the Prince of all casabas. It is about the size of a large Hackensack muskmelon, a good solid keeper, and shipper, with a most delicious flavor. Whether you plant several hills or several acres, plant this Prince of all casabas.

Two years ago we gave this the title of "Prince of All Casabas," with the above description. The title passed not only unchallenged, but further confirmed by universal praise. Our testimonials would more than fill this book. Be sure to ask for the Improved strain.

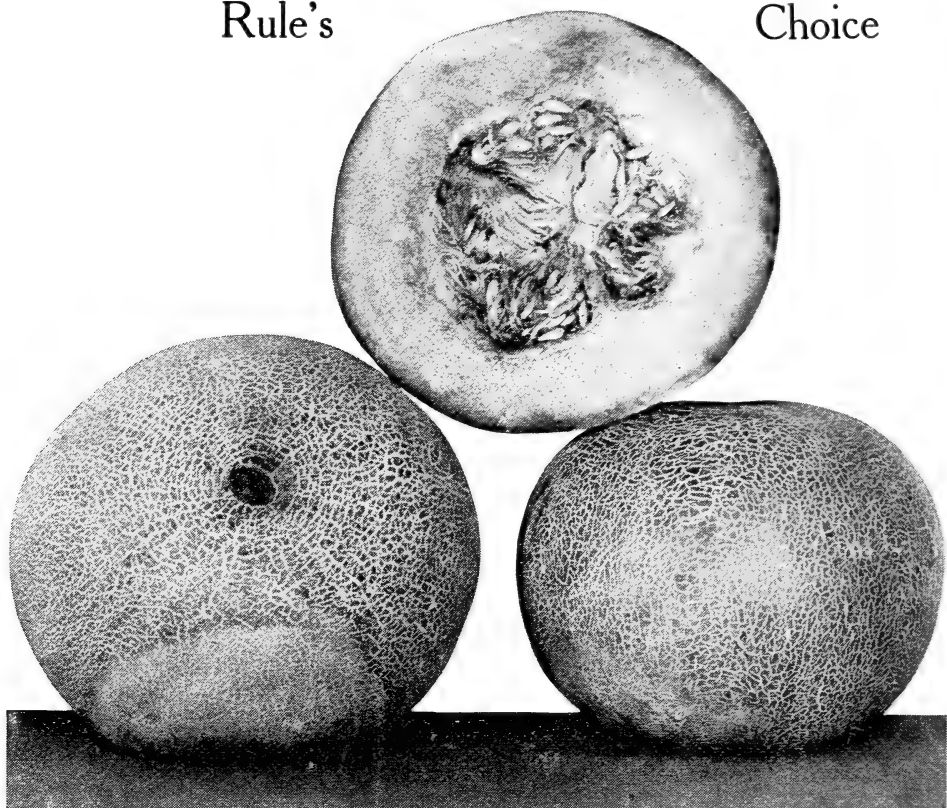
**Price—(Pkt. 10c) (oz. 25c) (¼ lb. 75c) (1 lb. \$2.50) (5 lbs. \$11.50) postpaid.**

Mr. Paul J. Case, of Deming, N. M., successfully grew the Improved Hybrid and Santa Claus. We have had letters from some successful growers in Texas.

Failure to grow the casaba anywhere in the Southwest has always been attributed to mildew or aphid, but when planted at the proper time with the right cultivation they rarely fail to mature properly. Do not eat them until they are soft enough to make an impression with your thumb. They become sweeter after having been off the vine for several days.

Rule's

Choice

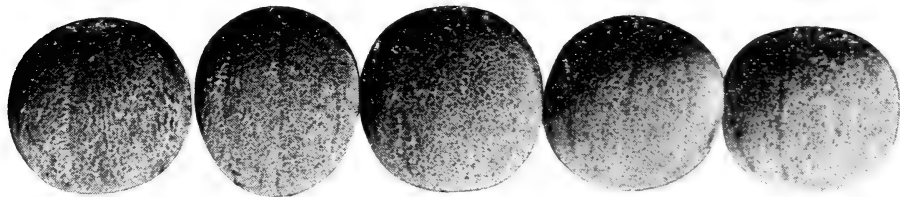


For the origin of this delicious muskmelon, credit must be given the U. S. Department of Agriculture, from whom we received, in 1908, a dozen or more packets of muskmelon seeds to "try out." We placed them with Mr. Rule, whom we knew to be a melon fancier and would give them proper attention. From the entire lot he selected this one as being better than anything we have previously had, as we had decided that we would not add to the numerous list of melons unless we were sure we had something that was better than all others. Mr. Rule says with conviction, there is positively nothing equal to it in delicious flavor, and Mr. Rule is a competent judge of melons.

This picture describes the appearance of the melon; its average size is seven inches in diameter. Its yellow flesh and aromatic flavor will insure its popularity. We do not hesitate to advise market gardeners to plant it largely, and the consumer will want no other, after tasting this. It is prolific and a good keeper.

Price—(Pkt. 10c) (oz. 25c) ( $\frac{1}{4}$  lb. 90c) (1 lb. \$3.00)

#### A. & M. NETTED ROCK MUSKMELON



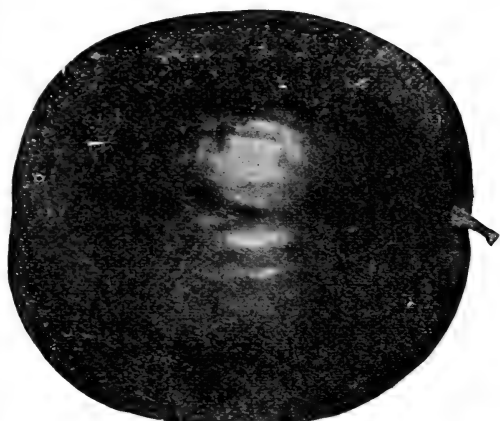
The A. & M. Netted Rock Muskmelon has established for itself such a reputation with large growers and shippers that it is no longer necessary to refer to it as something new, but to give it prominence as one of our specialties that has created a demand for itself in all the large melon growing sections in the Southwest and Old Mexico.

Price—(Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 50c) (1 lb. \$1.50) (5 lbs. \$6.75) postpaid.

# Water Melon Angeleno

Originated in Los Angeles County

Introduced by Us in 1908



Angeleno Watermelon

Never in the history of water melons has any variety grown into such prominence with shippers as did the Angeleno. The well known favorite, the Kleckley Sweet, has taken second place in the San Joaquin Valley, while in the Imperial Valley, it is the only melon. Standlee Bros., of Brawley, made a snug fortune from fifty acres of Angeleno. It was the first in the Los Angeles market, and everyone was a ripe melon. The buyer was never disappointed, because it is not picked until the yellow shows slightly through the green. Stay with the sign when picking. The deep red color and excellent flavor of the melon commends it to the consumer, while the beautiful dark green color of the rind makes it attractive to the buyer.

Price—(Pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 50c) (lb. \$1.50) (5 lbs. \$6.75) postpaid.

## THE KLONDIKE

Originated in Riverside County

Introduced by Us in 1909

The now famous Klondike originated in the private garden of Mr. A. M. Mitchell, of Redlands, who recognized he had a melon superior to all others; we are indebted to him for two fine specimens sent us in 1908. We, too, realized its merits, and handed the seed to a reliable grower, who grew a small patch isolated from other melons to keep it pure. He was so impressed with its good flavor he saved all of the seed, and in 1910, he had established such a demand for this melon in Pasadena that no other growers could sell, as long as the Klondike could be procured. When we visited his field, where we saw ten large wagon loads with fine melons of uniform shape and size, he made the following statement: "I could sell all the melons I have, but I cannot get teams to haul them. The yield is so enormous. The rows are nearly one mile long, and one wagon was hauling all week from one row and did not get the half. I have been taking ten tons of melons a day from this field for three weeks, and you cannot miss them. My rows are eighteen feet apart and hills are twelve feet apart. See for yourself. No other variety will make such a growth or yield so many fine melons."



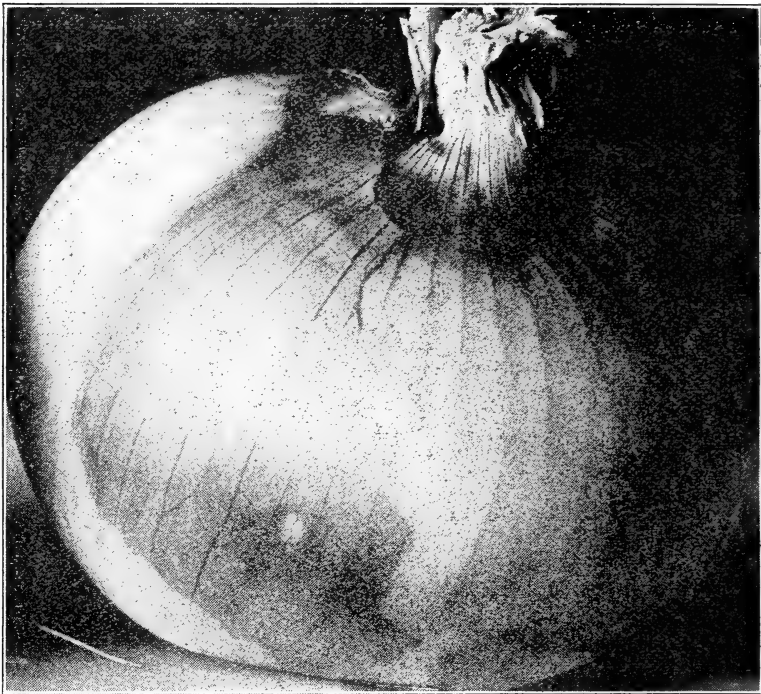
We give it our unreserved indorsement to all melon growers throughout the Southwest for your local trade, or for your home garden. No variety excels it in flavor. It is so crisp and stringless, we fear to recommend it to the shipper on account of its crispness, but no other watermelon remains good so long after picking. It has remained edible for six weeks.

Price—(Pkt. 10c) (oz. 20c) ( $\frac{1}{4}$  lb. 60c) (lb. \$2.00) (5 lbs. \$9.00) postpaid.

Plant your muskmelon and watermelon seed with our Segment corn planter; it does the work better, more easily and quickly.

# White Australian Onion

Originated in Orange County, Cal.

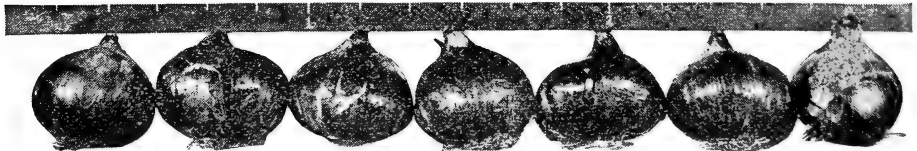


More than ten years ago one of the large buyers and shippers of onions told us to try to secure an early white onion that would be a good shipper. Of all the varieties then known, none could be profitably shipped to Eastern markets. The White Australian was bred by gradual selection from the Australian Brown, which it resembles in shape, solidity, and good keeping qualities.

The market prefers a white onion above all others, and this one should readily supersede, because it will remain firm on the market, and can be shipped to Eastern markets without loss from decay.

Price—(Pkt. 10c) (oz. 50c) ( $\frac{1}{4}$  lb. \$1.20) (1 lb. \$4.00)

## Seven Gibralters, One Yard



## Giant Gibralters

**Giant Gibraltar.**—This is probably the largest of all onions (not excepting the Prizetaker). Skin of light straw color, flesh white, tender and mild. These Onions are excellent for home use at any time while in the growing state. It is a good shipper. Where a large yield is the main desire plant the Giant Gibraltar. It will yield fifty per cent more tons per acre than any other variety except the Prizetaker. Price—(Pkt. 5c) (oz. 25c) ( $\frac{1}{4}$  lb. 75c) (lb. \$2.50) postpaid.

If you intend planting onions be sure to consult us as to time, when, how, and what variety to plant.

# PEPPERS

## Anaheim Chili

Originated in Orange County  
Introduced by Us in 1903

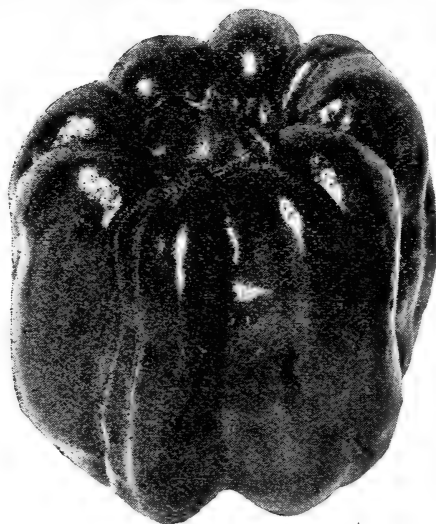
The popularity of this pepper continues to grow enormously. A few years ago known only to growers of Orange County, where it originated, it is now a staple article of commerce, superseding the extremely pungent Black Mexican pepper so popular in Old Mexico. Our sales of Anaheim Chili seed in Arizona, New Mexico, Texas and Old Mexico have been surprisingly large. The seed we have was procured from selected peppers, and not one pod was less than seven inches long. We purchased the peppers and had the seed taken out on our own grounds, under our supervision. It is 100 per cent. pure. It is a safe crop to plant; it has no insect enemies; when dried it is not perishable. The price is rarely less than twelve cents per lb. dried, and often double that figure. The market formerly depended wholly upon the consumption of the Southwest, but the market has extended to Eastern cities, and the demand has now doubled and the price correspondingly high. Our advice is to plant largely to Anaheim Chili, as the supply is much below the demand. Two to four hundred dollars is the usual income from one acre. It is safer to plant the Anaheim Chili than onions.

Price—(Pkt. 5c) (oz. 25c) ( $\frac{1}{4}$  lb. 75c) (1 lb. \$2.50) postpaid  
**GIANT CRIMSON PEPPER**

The earliest maturing and most productive large sweet pepper, so mild there is not a suspicion of pungency; no other pepper is so thick meated. One San Francisco dealer, who handled the entire supply last season, advised planting larger acreage, saying it is an ideal winter pepper and an easy seller. We advise it for the home gardens to be used with salads and meats.

Price—(Pkt. 10c) (oz. 50c) ( $\frac{1}{4}$  lb. \$1.50)

**A. & M. SELECTED GIANT BELL PEPPER**



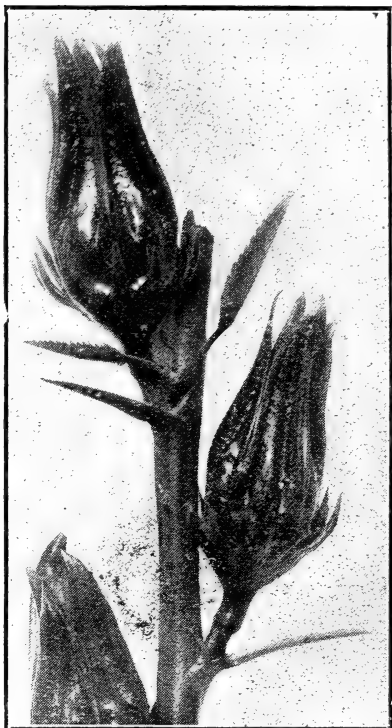
**A. & M. Giant Bell— $\frac{1}{4}$  Natural Size**

This has proven to be the acme of perfection in the way of a large Bell Pepper. It is popular with large growers for shipping because it is prolific and a good seller in the market.

Price—(Pkt. 10c) (oz. 50c) ( $\frac{1}{4}$  lb. \$1.75) (1 lb. \$6.00) postpaid.

Anaheim Chili,  
Reduced One-Quarter

The three varieties of peppers comprise the best crop the market gardener can grow. \$500 per acre is not unusual.



Roselle Fruit

Messrs. Aggeler & Musser  
Los Angeles, Cal.

Gentlemen:

Will you kindly quote us prices on Roselle seed in 1 to 5 lb. lots. It was a booming success with us last year. Are planning to use it for jelly and jams. Mfg. it with our fig preserving plant. We picked  $\frac{1}{2}$  bushel off four plants twice in one week without irrigation, and had them planted between rows of bananas 12 feet apart. This crowded them, and shut off much light. Planted seed June 30th, and had plants 9 feet high and with 9 or 10 ft. spread.

Yours very truly,

McALLEN NURSERIES CO.,

Be sure to order a pkt. of Lemon Cucumbers.

For practical agricultural and poultry books see our list on page 113.

For insecticides see page 114.

See when and what to plant on inside of back cover page.

All Express lines now carry SEED at a special reduced rate of 20 per cent less than general merchandise. We advise shipment by express as it guarantees safe and prompt delivery

## Roselle

**Culture**—Sow seed early in April, in the field, four feet apart, in rows six feet apart. Cultivate as Okra.

**The Lemonade Plant of Queensland.**—Is an annual plant that has been sufficiently tested to indicate its great value, and to warrant more extended cultivation. The fruit is used for making jelly and jam. The jelly is superior to guava or currant, and is labeled as "Queensland Jelly;" is shipped from Australia to all parts of Europe. It is easily grown from seed if planted after the ground is warm; grows rapidly, resists drought and is very ornamental. The local preserving companies are anxious to get it. Every home garden should have a row of this ornamental and useful plant. (Per pkt. 10c) (oz. 50c) ( $\frac{1}{4}$  lb. \$1.50) postpaid.

### HOW TO MAKE ROSELLE JELLY

Having received numerous inquiries how to use Roselle, we have decided to insert the answer here. Pick the pods that grow at the juncture of each leaf (see the picture) when the inner pod is yet green and tender. Boil them until soft and strain through a cloth. Add  $\frac{1}{2}$  pint of sugar and the juice of  $\frac{1}{4}$  of a lemon to each pint of juice, and boil again until it jells.

Mrs. Frank Ramsdell of Cuba, says it improves the jelly to remove the pods and boil only the calyx.



Picking Roselle on the ranch of Mr. Golweitzer, who says he sold \$350 worth of fruit from  $\frac{1}{2}$  acre and did not pick half.

## A. & M. First Early Tomato



A Birds-eye View of Part of a Hill on Which We Counted 136 Tomatoes.

This is the third season for this tomato; its popularity has extended to the large fields of Imperial Valley, throughout the Southwest and into Old Mexico. Its unusual earliness, large average size, its solidity and good shipping qualities make it a favorite with the grower. Its bright red color, mild flavor, scarcity of seeds make it a favorite with the consumer. Mr. McDowell of Orange County, sold from one-third of an acre, from May 30th to July 10th, \$260.00 worth of tomatoes, and the ground was literally covered with tomatoes, after it was no longer profitable to market them. One association purchased seed for three hundred acres. This variety has broken the world's record for an extra early, large prolific tomato.

**Price—(Pkt. 10c) (oz. 40c) ( $\frac{3}{4}$  lb. \$1.50) (1 lb. \$5.00) postpaid.**

Fall and winter Tomatoes for eastern shipment are grown extensively and are profitable. They are ready October to February, and bring good prices. These Tomatoes are shipped by freight in carload lots and are found in all eastern markets, after the local crops have been nipped by the frosts. The California fall and winter Tomato of the Stone variety has no equal as a shipper. A few years ago no shipments were made in carload lots, but now several cars daily go out during the shipping season.

### A Tonic for Tomatoes

Bordeaux Mixture is a fertilizer and sure preventive of blight that does not emanate from the roots but affects the vines in the fall and after rains. Apply Bordeaux Mixture once every two weeks or oftener after the fall rains have commenced. It is non-poisonous as applied to plants. We sell Bordeaux in powdered form at 50c per one quart can. It cannot be sent by mail.

For the Home garden plant Ponderosa or Beefsteak.

## Avocado, or Alligator Pear

Fruit of Budded Avocado. Weight, one pound; flavor rich, nutty and delicious; very nutritious; skin, dark green, thick and tough enough to stand shipment across the Continent; a good keeper, and a prolific bearer.

We have a limited number of avocado trees budded with the best stock grown in Mexico. The budded trees will be ready for delivery May 1st. If you want one, place your order at once, as the stock is very limited. Price, of each tree, \$3.00.

We also have seedling trees ready for immediate delivery for 75 cents.

As soon as you see this, write for circular giving full particulars.

## FEIJOA SELLOWIANA, OR PINEAPPLE GUAVA



Feijoa—Natural Size

It is closely allied to the common guava, and very much resembles that plant in the character of its flowers and fruit, which is oval in form and from two to three inches long. They are so aromatic that a few of them will perfume a room with a pleasing fragrance. The fruit is delicious.

We have only a few plants and request that you send in your order at once.

Price—(Large size \$2.00) (small size \$1.50) (seed 50c per 100).

Write for special circular.

## BAMBOO



We have had numerous inquiries from irrigation districts for the large bamboo, because they supply a much needed article pertaining to an irrigated ranch. When it is desired to turn water from a main into a number of smaller ditches, it is impractical to try to maintain an even overflow. Some buy iron pipe, others use rubber, and others make wooden pipe and bury them at the head of each ditch. Bamboo serves this purpose to perfection. It grows and multiplies rapidly and from its assorted sizes the rancher may select the size he needs,

from one to three inches in diameter. You can soon grow your supply. In order to meet the demand, we imported a limited number of young plants from Japan to arrive about January 1, 1912. These we offer for \$2.00 each. If you are interested in this, place your order at once, for the supply is very limited.

All of the above ought to attain perfection in the Imperial Valley.

## List of Up-to-Date Seeds

### GARDEN, FIELD AND FLOWER SEEDS AND PLANTS

#### EVERYTHING PERTAINING TO THE GARDEN

#### INCUBATORS, BROODERS, POULTRY FOOD AND SUPPLIES

We will catalogue only standard and such other varieties of vegetable seeds as have been thoroughly tested by us and have proven particularly adapted to the climate and conditions of the great Southwest; other varieties that have proven of little value in this section will not be listed.

Localities nearer the coast within reach of the coast fogs require different cultural instructions and different varieties than those that would thrive best in the desert east of the Coast Range. We would request those who are unfamiliar with the requirements of their local conditions to write us for information.

The numerous letters we have received from customers pleased with the results of their seeds is evidence that our efforts to secure good seeds and improved varieties are meeting with marked success.

That our zeal to advise the amateur grower and the new colonist what to plant, when to plant and how to plant, has been of great benefit, is proved by many who have written to us of their success with our seeds and our advice.

Nowhere in the world is there such necessity for competent, intelligent seedsmen as in Southern California, because of the diversity of climate, of soil, and of local conditions.

**TO THE BEGINNER**—We request that beginners and new-comers consult us either by letter or in person when additional information and advice is wanted other than is contained in these pages. Always give your local conditions of soil and climate, and whether a market gardener or a general rancher. All inquiries will command prompt attention.

**SEEDS WE OFFER**—As to the seeds we offer, we assure you that the utmost care is exercised to secure only reliable and true to name seed. We have devoted much time and attention to learning the varieties of garden and field crops suited to each locality. This information will often be found of great service to intending planters.

We are continuously testing the germination and purity of our seeds, but owing to the diversity of climatic conditions, insects, and inexperienced growers, Aggeler & Musser Seed Co. will not guarantee the germination or products of any seeds they sell.

Our record for the past eighteen years has given us such a reputation for fair treatment that our oldest customers are our best advertisers.

## Full Instructions are Given With Each Subject

#### UNDER THE HEADING OF CULTURE

Owing to the different climatic conditions of each locality, no general rule can be applied as to time of planting, and what varieties to plant. Home gardeners require different instructions from market gardeners, and market gardeners are governed by different conditions than shippers.

#### NOTICE—READ THIS—NOTICE

Send us the names and correct address of five or more Gardeners, Ranchers or Orchardists, and we will send you five 5-cent pkts. of seed. You select what you want, add it to your order and deduct 25 cents from your remittance.

## Artichoke

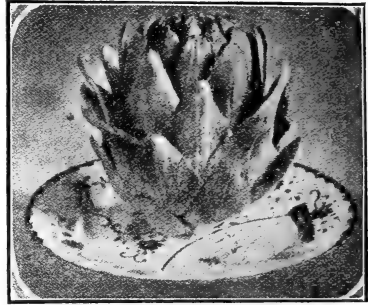
The seed may be sown at any time and transplanted when about eight inches high. It will mature in about eight months from planting the seed, but in Southern California the proper season to bloom is in March.

The best way to get a good artichoke is to secure plants from old stalks of some good strain, as seeds cannot be depended upon to produce any certain variety. One half dozen is enough for a family garden.

**Selected Large Green Globe.**—French stock is the standard variety. (Pkt. 10c) (oz. 35c) ( $\frac{1}{4}$  lb. \$1.15) (lb. \$3.50) postpaid.

Plants from good stalks, 10c each—\$1.00 per dozen.

**Giant Cardui** yields no bud only the leaves are cooked. They are considered very healthful and consumed extensively by the Italian population. (Per Pkt. 25c)



Green Globe Artichoke

## Asparagus

**Culture for Home Gardens.**—In January plant roots two or three years old eighteen inches apart in the rows, rows four feet apart.

To start a large acreage, the seeds should be sowed in drills about fifteen inches apart. Sow in March, and transplant the following January. In fifteen months it will be ready to ship. In some sections earlier.

**Palmetto.**—The leading and most popular variety for the home garden or market. The tender sprouts are green and its delicious flavor makes this variety the favorite for table use. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 85c) postpaid.

**Conover Colossal.**—Nearly the same as Palmetto, possibly larger, but culture has so much to do with size and quality that it is difficult to state which is the better variety. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (1 lb. 85c) postpaid.

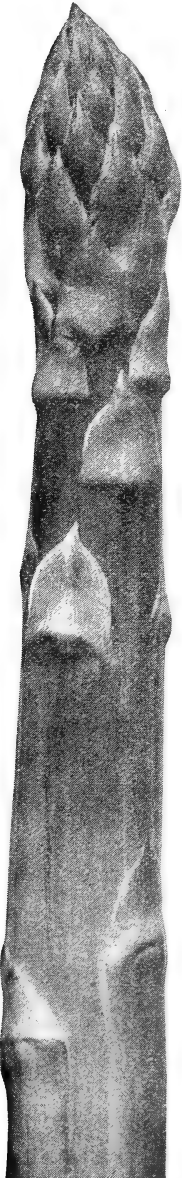
**Barr's Mammoth.**—A large white sprout, the flavor of which is generally liked. This is an excellent variety for canning, where appearance is desired. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 85c) postpaid.

**Giant Argenteuil.**—Similar to Barr's Mammoth, but more rust resistant and far more productive. An excellent variety for the canner and early shipper. (Pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 50c) (lb. \$1.25) postpaid.

### A WORD ABOUT PRICES

Owing to the extraordinary scarcity of many varieties of seeds, prices are unsettled. This applies particularly to European grown seeds, but some also of American Stock. Peas and Carrot seed are very scarce, while of European stock the great scarcity is of Beet, Carrot, Onion, Turnip, Cabbage and Celery. Prices on all of these items will be higher before new crops can be grown. Therefore, present prices cannot be maintained throughout the year.

To prevent rust, spray freely with powdered sulphur at the first appearance of rust.



## BEANS

All mail orders should include **additional ten cents** per pound to cover postage. Market gardeners who are beginners and not familiar with gardening in Southern California would do well to consult us either in person or by mail before buying, as to variety and time of planting. Special attention should be given to the instructions concerning the time of planting, which is an important factor in Southern California, as each month requires a different variety according to the market for which they are grown.

**Culture for Home Gardens.**—Plant early Refuge and Our Golden Wax early in April. Plant one to two inches deep, six inches apart, in rows thirty inches apart. As soon as the plant is well formed, cultivate frequently; let no weeds grow. Spray with sulphur just before the bloom shows, to avoid mildew. Sulphur will prevent mildew, but not cure a plant once attacked, but will check it. Plant every month until September.

Market gardeners should read carefully the description of each variety.

Anyone having light, sandy soil that needs enriching, should plant it to beans, inoculating the seed with Nitrogen Bacteria.

The following list comprises all the varieties best suited to general gardening. We have ceased to catalogue others that would only mislead the gardener.

### BUSH BEANS, GREEN POD VARIETIES

Lady Washington, Small White, Black-eye, or Pink. Write for market quotations.



Early Refuge Bean.

**Early Refuge or 1000 to 1.**—An all round favorite for the summer months. Round pod, medium size, tender, desirable for table and cannery. It is a favorite with the market gardener, because it is a good shipper, a good seller, and very prolific. Plant from April to August. Price—(Pkt. 5c) (lb. 15c) (by mail, per lb. 25c) (10 lbs. \$1.20) (100 lbs. \$10.00)

**Canadian Wonder.**—Flat pod, of good flavor, not stringless, but otherwise tender. Very hardy. Desired above all others by gardeners growing on the foothills for winter shipping, because of its luxuriant growth and continuous bearing. Plant in September, October, November, December and January, according to your locality. Per (pkt. 5c) (lb. 15c)

(by mail 25c per lb.) (10 lbs. \$1.25) (100 lbs. \$11.00)

**Stringless Green Pod.**—The best variety for first early spring planting. Round pod, very prolific. Plant early in March to September. (Pkt. 5c) (per lb. 15c) (by mail 25c per lb.) (10 lbs. \$1.25) (100 lbs. \$11.00)

**Six Weeks.**—A strong, rapid grower, which matures quickly. Flat pod. Only desirable for forcing. Plant in March, also early in September and October. Price—(Pkt. 5c) (per lb. 15c) (by mail per lb. 25c) (10 lbs. \$1.20) (100 lbs. \$10.00)

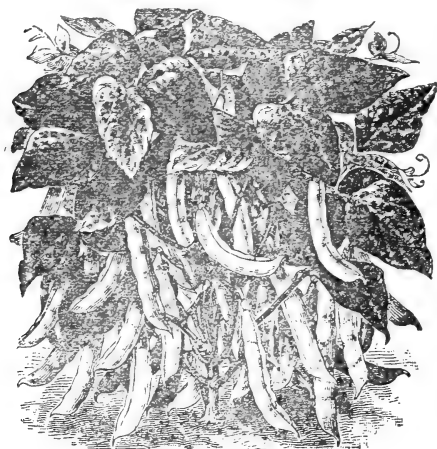
**French Mohawk.**—Long oval pod, very tender and prolific. Matures in six weeks. Desirable for a profitable short crop, as only two months is required from seed time to the end of the crop. Plant every month from March to October. Per (pkt. 5c) (per lb. 15c) (by mail 25c per lb.) (10 lbs. 1.20) (100 lbs. \$10.00)

**About Varieties.** It has been our ambition to acquaint ourselves with the varieties of vegetables that the market gardener wants. After several years of careful devotion to that purpose, we have learned that he requires sorts calculated to be more or less in season each month of the year, because the demand for table vegetables is constant the year round. If he is growing for shipping, his line will be quite different from that of the grower catering to the home market; if his location is in the frostless belt his selection of varieties will vary from those more adapted to lower altitudes. What is here said of the market gardener also applies to the general ranches planting field and fodder crops. Consult us. We will advise you correctly.

Do not fail to order a pkt. of Arbor Beans or Monstrous Bush Lima Beans. Both are wonderful. See pages 2 and 3.

To improve your soil plant Windsor, Soja, Blackeye or Whip-poor-will. Sow from April 1st to Sept. 1st. Inoculate the seed with Nitrogen Bacteria. See page 70.

Be sure to read the instructions at the top of this page.



Golden Wax

in September, if not too cold, bears until January, being rust proof. This bean was introduced by us years ago, and has been the market gardener's favorite since that time. Plant from February to October. Per (pkt. 5c) (lb. 20c) (by mail 30c per lb.) (10 lbs. \$1.30) (100 lbs. \$12.00)

**Prolific Black Wax.**—Pod round, straight, five to six inches long. Definitely the most desirable for mid-summer gardening. Plant from April to August. Per (pkt. 5c) (per lb. 15c) (by mail 25c per lb.) (10 lbs. \$1.25) (100 lbs. \$11.00)



Yellow Poddled Six Weeks

## BUSH BEANS—WAX OR YELLOW POD VARIETIES

**Stringless or Refugee Wax.**—This new bean has become a favorite with the market gardener because of its hardy growth and enormous yield of tender, round stringless pods of excellent flavor which sell readily. Plant from April until September. Per (pkt. 5c) (per lb. 15c) (by mail 25c per lb.) (per 10 lbs. \$1.25) (100 lbs. \$11.00)

**Our Golden Wax.**—Long, flat pod, rich golden yellow, stringless. This variety is so superior to other strains of Golden Wax that we have discarded all but this. Plant early in April to August. Per (pkt. 5c) (per lb. 15c) (by mail 25c per lb.) (10 lbs. \$1.25) (100 lbs. \$11.00)

**Ventura Wonder Wax.**—Nearly all agree that this is a wonder indeed. Long flat pod, very prolific; bears early, and continues nearly all summer; or planted



Ventura Wonder

## A GOOD RECORD

We keep from year to year an accurate record of every mail order received. The number of orders keeps well up to the number of catalogs mailed out. Allowing for a large percentage of customers that come to the store, we believe that an unusually high percentage of catalogs bring orders, and that once a customer always a customer is evidenced by the hundreds of complimentary letters we receive, and although more than \$300,000 worth of seeds passed through our house last season, not one mistake as to variety was reported to us. It is true smaller growers who purchase packets do not report errors, but we have a large market gardeners' trade covering all of Southwestern United States and Old Mexico, and not one error reported speaks wonders for our system of handling seeds of several hundred varieties.

**Yellow Poddled Six Weeks.**—This excellent bean is the most popular yellow podded variety with the market gardeners around Chicago. It is enormously productive, very early, seeds are the color and size of the green podded Six Weeks, but the pods are yellow and more fleshy and tender. It is very early and hardy. Planted August 28th the crop was ready to sell October 12. A little over six weeks. (Pkt. 5c) (1 lb. 20c) by mail (30c lb.) (10 lbs. \$1.50) (100 lbs. \$12.00).

## Pole Beans

(A Stringless Green Pod Pole Bean.)

**White Seeded Kentucky Wonder** soon will supersede all other green poded pole beans because of its merits.

The old well-known Kentucky Wonder was considered perfection in the way of a tender prolific bean. But the White Seeded Kentucky Wonder excells the other in being more prolific always four to six large beans on a stem. It is ten days earlier which means money to the gardener. It is less susceptible to rust and mildew than the Brown Seeded Kentucky Wonder. The seed is pure white which makes it a profitable commercial bean. Why raise the small white navy or the small Lady Washington when this will produce twice as many beans per acre as any of the others, and is as good as any commercial dry bean. **Price**—(pkt. 5c) ( $\frac{1}{4}$  lb. 10c) (1 lb. 20c) (by mail 30c) (10 lbs. \$1.50) (100 lbs. \$12.00)

**Horticultural Pole**.—Short, thick, round pod, desirable as a string, shell or dry bean. Has long been a favorite and is well known. Plant in April. **Per** (pkt. 5c) (per lb. 15c) (by mail 25c per lb.) (10 lbs. \$1.20) (100 lbs. \$10.00)

**Kentucky Wonder**.—Long, round pod. This is the most popular Bean in Southern California, because here it grows to perfection; is, with the exception of the White Seeded Kentucky Wonder, far more prolific than any other variety; which, together with its other good qualities, make it the market gardener's delight. Plant from April to July. Do not plant later than July as it is very prone to rust during the months of August and September. **Per** pkt. 5c) (per lb. 15c) (by mail 25c per lb.) (per 10 lbs. \$1.20) (per 100 lbs. \$10.00)

**Kentucky Wonder Wax Bean**.—It commences to bear when scarcely higher than the average bush variety and keeps on producing until killed by frost. It is a rampant grower, one vine filling a pole with a mass of vines densely loaded with luscious beans. They are solidly meaty, entirely stringless, and when cooked deliciously rich and buttery. The seed is brown, closely resembling that of the Kentucky Wonder. Plant from April to August. **Per** (pkt. 5c) (per lb. 15c) (by mail 25c per lb.) (per 10 lbs. \$1.30) (per 100 lbs. \$12.00)

**White Crease Back**.—This variety is especially valuable for its extreme earliness, and its habit of perfecting all its pods at the same time. Vines small but vigorous and, in good soil, wonderfully productive, bearing pods in clusters from four to twelve. Pods medium length, silvery green, of the best quality as snaps and stands shipping better than most sorts. The seed is small, oval, very white and hard. It is an excellent bean to cook dry or to sell on the open market as the small white bean. **Per** (pkt. 5c) (per lb. 15c) (by mail 25c per lb.) (per 10 lbs. \$1.00) (per 100 lbs. \$9.00)

**Lazy Wife**.—Pods grow from six to eight inches long, entirely stringless, of a rich buttery flavor when cooked; retain their tender, rich flavor until ripe; a good white shell bean for winter use. **Per** (pkt. 5c) (per lb. 20c) (by mail 30c per lb.) (per 10 lbs. \$1.30) (per 100 lbs. \$12.00)

**Celestial or Cuban Asparagus Bean**.—A curiosity and good table Bean. Dark green foliage; pods over two feet long and very abundant. **Per** pkt. 25c.

**Scarlet Runner**.—Ornamental as well as a good table vegetable. (Pkt. 5c) (lb. 25c) (by mail 35c) (10 lbs. \$2.00)

**Arbor Bean**.—See Novelty, Page 3.



Kentucky Wonder Wax.

## Limás, Bush Varieties

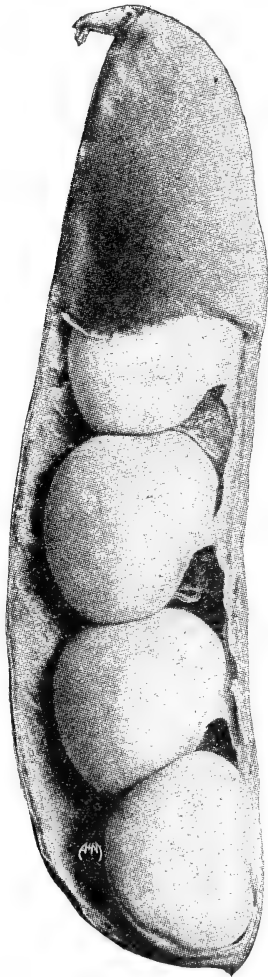
**Monstrous Bush Lima.**—See Novelty, Page 2.

**The Scarlet Lima.** See Novelty Page 3.

**Burpee's Bush Lima.**—This bean has become very popular with the market gardener in all irrigation districts because it is earlier and more easily grown. There are no vines in the way when irrigating and cultivating. It is enormously prolific and keeps bearing a long time. **Per (pkt. 5c) (lb. 15c) (by mail 25c) (10 lbs. \$1.20) (100 lbs. \$10.00)**

**Henderson's Bush.**—Small white Lima Bean, of excellent flavor and enormously prolific. **Price—(Pkt. 5c) (lb. 20c) (by mail 30c) (10 lbs. \$1.50)**

**Broad Windsor.**—Grows on one upright stem with pods at every leaf it is very prolific, quite hardy in Southern California. It is rapidly coming into favor as a table bean as it is quite delicious when properly prepared for the table. **Price—(Pkt. 5c) (lb. 15c) (10 lbs. \$1.00)**



**Fordhook Bush Lima**

**Price—Per (pkt. 5c) (per lb. 15c) (by mail 25c) (10 lbs. \$1.20) (100 lbs. \$10.00)**

**Large White Lima.**—One of the best shell beans, either green or dried. Very prolific; pods large. **Per (lb. 15c) (by mail 25c per lb.) (per 10 lbs. \$1.20) (per 100 lbs. \$10.00)**

**King of the Garden.**—Very prolific; large and desirable both for the home garden and for the market gardener. **(Per lb. 15c) (by mail 25c) (per 10 lbs. \$1.20) (per 100 lbs. \$10.00)**

**Fordhook Bush Lima.**—In order to get the best results, plant two feet apart in rows four feet apart. The bush will grow to a height of two feet and cover a space four feet in diameter. Although this bean has been offered for several years, it is comparatively a new variety. It is an improvement over the well known bush Lima because it is more prolific. It is a strong grower, more resistant to blight, and is more profitable to grow for the market because the pods remain green much longer than other varieties. This is of great advantage to the peddler and retailer. It has received universal praise. We recommend it to our customers for both home and market gardens. **Price—(Pkt. 5c) (1 lb. 25c) (by mail 35c) (10 lbs. \$1.75) (100 lbs. \$14.00)**

**Speckled Lima.**—It will produce an average of thirty sacks per acre. It is much better for table use as a butter bean than the common lima.

We heartily recommend it to all for a family garden bean. A very short row will furnish one family all the butter beans they can use. It should be planted March 15th to July 1st. You will then have this delicious bean on your table from July until December. **(Pkt. 5c) (¼ lb. 10c) (1 lb. 25c) (by mail 10c per lb. extra.)**

## Limás, Pole Varieties

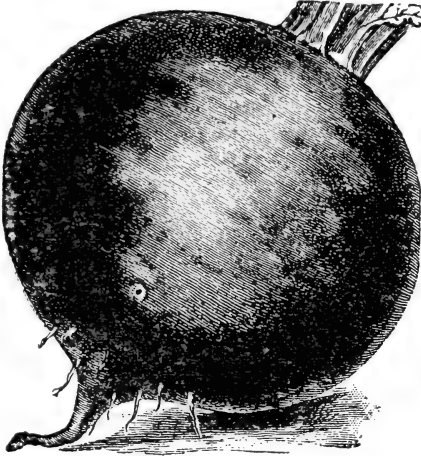
**Pole Lima.**—The Pole varieties of Limas are far more profitable to grow than the Bush varieties; what they lack in earliness they make up in late and continuous bearing

They should be planted from April 1st until August 1st, except the Monstrous Lima, which should not be planted later than July 1st.

**The Skillman Lima.**—This bean has been the market gardener's favorite for five years. It is a cross between the Burpee's Bush and the Common Lima. It will produce nearly twice as many sacks per acre as the Common Lima. Lima Bean growers would do well to discard the Common Lima entirely and substitute the skillman. Each year we carefully hand pick our seed stock, selecting only the true type of seed. There are no rattlers in the Skillman.

## Table Beets

**Culture.**—Sow all the year round in drills twelve inches apart, thin out to three inches apart in the rows or sow in plant-bed and transplant to any convenient spot in the garden. Water well once a week, keep the ground loose and the weeds out.



### Crimson Globe Beet

This splendid variety has now been grown quite extensively in many sections of the country and the many good reports received from our customers indicate that it gives most thorough satisfaction. The root is of medium size, generally about three inches in diameter, very handsome in shape, being a little deeper than round, with a remarkably smooth surface. It has a very small tap-root.

Price—(Pkt. 5c) (oz. 20c) ( $\frac{1}{4}$  lb. 60c) (lb. \$2.00)

**Eclipse.**—Is a favorite for the family garden, very sweet, tender and of fine texture. (Pkt. 5c) (oz. 20c) ( $\frac{1}{4}$  lb. 60c) (lb. \$2.00) postpaid.

**Extra Early Egyptian.**—The market gardener's favorite. On account of its beautiful appearance and excellent flavor you should plant no other. Ours is imported seed, which guarantees it to be superior quality to the California grown. (Pkt. 5c) (per oz. 20c) (per  $\frac{1}{4}$  lb. 60c) (lb. \$2.00) postpaid.

**Early Blood Turnip.**—Of large growth. Flesh very tender and retains its blood-red color when cooked. Per (pkt. 5c) (per oz. 20c) (per  $\frac{1}{4}$  lb. 60c) (per lb. \$2.00) postpaid.

**Long Dark Red Blood.**—Smooth, growing to good size; color dark red; top small, of upright growth. Per (pkt. 5c) (per oz. 20c) (per  $\frac{1}{4}$  lb. 60c) (per lb. \$2.00) postpaid.

### OUR BASSANO

Our Bassano Beet excels all other varieties for table use. Its delicious flavor, entire absence of fibre, smooth symmetrical shape and small root puts it in a class by itself for all-round good qualities. The market gardeners have recognized this for years, and will have no other. Price—(Pkt. 5c) (oz. 20c) ( $\frac{1}{4}$  lb. 60c) (1 lb. \$2.00) postpaid.

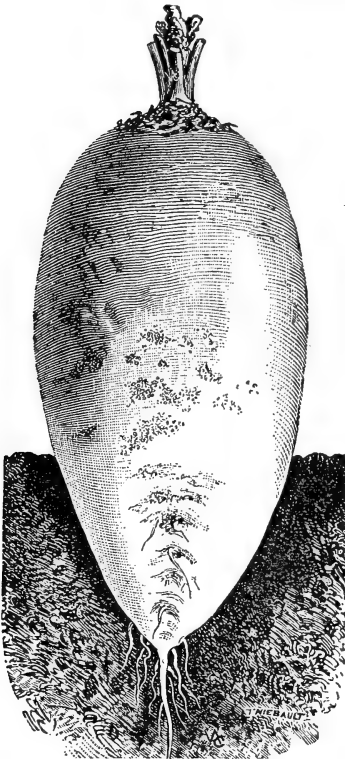
**Detroit Dark Red.**—This is an ideal beet for all purposes. It cannot be excelled for the table; free from all fibre and very sweet. It is the best of all for pickling. Even the tops are good when pickled. (Pkt. 5c) (oz. 20c) ( $\frac{1}{4}$  lb. 60c) (1 lb. \$2.00)

**White Swiss Chard.**—Grown for its leaves only; one of the best early greens. Cook the leaves as you do spinach and the stems in cream as asparagus. Leaves grow to enormous size, 20 inches to 2 feet in length. The plant is almost perpetual if kept trimmed. The abundance of tender leaves make it a desirable plant for poultry greens; much more desirable than alfalfa, because it can be grown with less care and in any convenient place about the premises. Try it for your hens.

Price—(Pkt. 5c) (per oz. 15c) (per  $\frac{1}{4}$  lb. 50c) (per lb. \$1.75)



Extra Early Egyptian



Half Sugar Rose Beet

**Klein Wanzleben (Sugar Beet).** This variety is without question the best in cultivation. Not the largest in size, but the richest in Saccharine matter. Price (per lb. 50c) (10 lbs. \$4.00). For larger quantity write for prices.

**Mammoth Long Red Mangel.**—The largest Stock Beet. Yields 50 to 60 tons to the acre. Will grow in land containing more alkali than any other beet. All stock except horses eat it readily. (Per lb. 50c) (by mail 60c) (per 10 lbs. \$4.00.) For larger quantities write for price.

**Golden Tankard Mangel.**—Contains more sugar and less water than any other mangel. Rich in milk-producing qualities, hence a favorite with dairymen. Horses will eat it. Per (lb. 50c) (by mail 60c) (per 10 lbs. \$4.00.) For larger quantities write for price.

**Lane's Imperial Sugar.**—The heaviest cropping Sugar Beet, and very profitable for stock farmers. (Per lb. 50c) (by mail 60c) (per 10 lbs. \$4.00.) For larger quantities write for price.

**Remember.**—The supply of seed is limited to the crop produced and we are likely to be sold out of many things as the season progresses. We cannot urge you too strongly to order early.

Owing to the excessive rains and aphids the European crop of beet seed is less than 20 per cent.

Mr. S. Rutherford of Santa Barbara raised beets of the Long Red variety up to 115 pounds in five months from planting.

## STOCK BEETS

**Culture.**—May be sown from October to May in drills two feet apart. Thin out to stand half foot apart in rows. Keep well cultivated; 8 lbs. of mangle, or 10 lbs. of sugar-beet seed will plant an acre

## HALF SUGAR ROSE BEET

A distinct type of Sugar Beet, producing not only a good crop, but roots of giant size and richest feeding quality. It has yielded 55 tons of clean roots per acre,  $3\frac{1}{2}$  tons per acre more than the heaviest producers of other sorts on the list. They have a small, clean top, and are easily trimmed. The roots are heavy, clean shaped, holding their size to the ground, when they gradually taper to a point, stand upright, and three-fourths their length out of ground. They are so easily harvested that they may be turned out by a push of the foot. The color of the roots are bronzy green nearest the top, the body a light green shaded and changing to a bright rose above ground, the tip a lighter shade of rose. The flesh is white, solid, tender and very sweet and imparts a rich, pleasant flavor to dairy products, when fed to milch cows. Our Half Sugar Rose is the most profitable Stock Beet to grow.

**Price.**—(Per lb. 50c) (10 lbs. \$4.00) Postage 10c extra. For large quantities write for price.



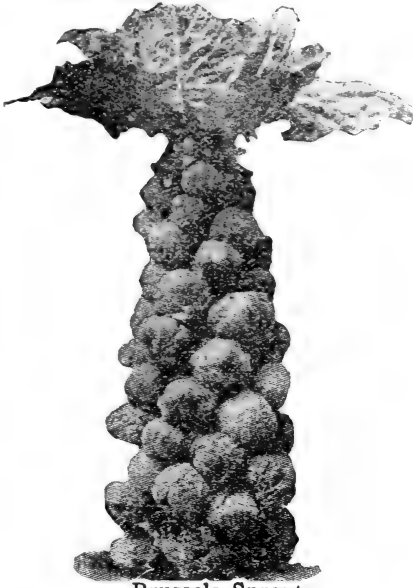
Golden Tankard Stock Beet.

## Broccoli

**Culture**.—Treat same as Cauliflower.

**Early Purple Cape**.—Resembles the Cauliflower, but is hardier and more easily grown. Heads purplish brown in color, always close and compact. Fine flavor. (Per pkt. 10c) (per oz. 30c)

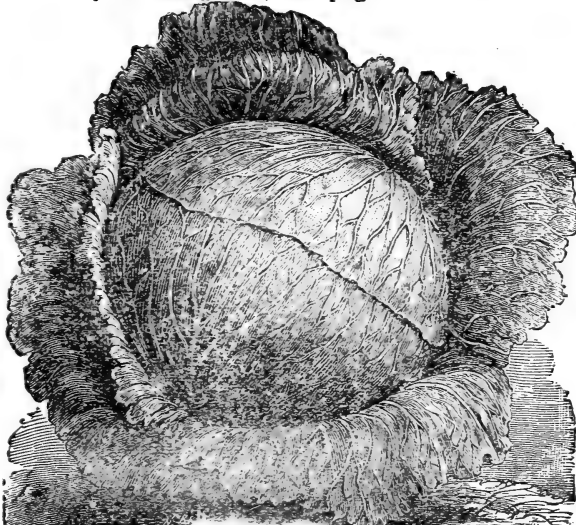
**Large White**.—Tender and delicious flavor. Every home garden should include this. (Pkt. 5c) (oz. 30c)



**Brussels Sprouts**

**Culture**.—The secret to grow hardy plants is to thoroughly prepare the soil in the plant bed. Loosen the soil to a depth of eight or ten inches, pulverizing the surface well. Sow in drills, not too freely, about one-half inch deep, press the soil firmly over the seed; this is important. In about six weeks transplant in rows three and a half feet apart, one foot in the row for Winningstadt, eighteen inches for large-headed varieties. Keep the crop well watered and cultivated for when growth is checked the seed head matures and bursts forth as soon as moisture is again applied. This accounts for much cabbage going to seed.

**Early Winningstadt**, see page 3.



**Autumn King**

## Brussels Sprouts

**Culture**.—Treat same as Cabbage.

### A. & M. MATCHLESS

The increasing demand for this delicious vegetable of the cabbage family has spurred us on to look for something better than has hitherto been offered on this market. We have succeeded in securing a medium dwarf variety that bears larger heads, and every joint a head. Be sure to ask for the Matchless. Price—(Per pkt. 10c) (oz. 25c) (¼ lb. 75c) (1 lb. \$2.50) prepaid.

**Dwarf Improved**.—Produces on the stem compact sprouts resembling miniature cabbages. A delicious vegetable; always commands a high price, because of its scarcity. (Per pkt. 5c) (per oz. 15c) (per ¼ lb. 50c) (per lb. \$1.50) prepaid.

Our seeds can be depended upon to grow because they are carefully tested before being offered for sale.

Our seeds are the best that grow because they are planted and grown especially for us, and we get the best of the crop.

## Cabbage

**Premier Large Late Flat Dutch**.—The standard sort for late crop. A large, sure header. (Per pkt. 5c) (oz. 20c) (¼ lb. 60c) (lb. \$2.00) prepaid.

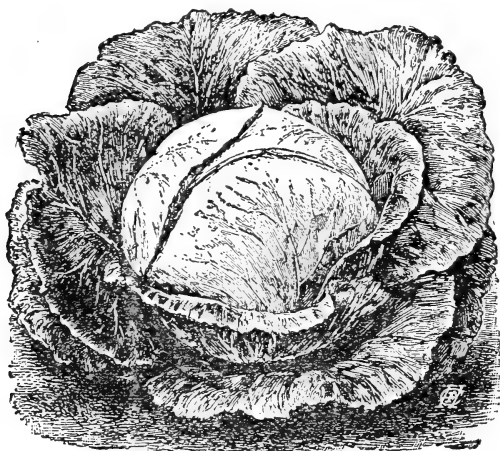
**Henderson Early Summer**.—A good medium-sized early flat head, very desirable for the table. (Pkt. 5c) (oz. 20c) (¼ lb. 60c) (lb. \$2.00) prepaid.

### Autumn King

For three years this Giant Cabbage has astonished all who have seen it at the market. Heads weighing from forty to fifty pounds are not uncommon. It is tender and of excellent mild flavor, ideal for sauerkraut, and it will yield more tons of good cabbage per acre than any other variety. Price—(Pkt. 5c) (oz. 10c) (¼ lb. 60c) (1 lb. \$2.00) prepaid.

## CABBAGE—Continued

**Danish Ball Head.**—Round and solid as a ball, tender and of excellent flavor. A very desirable variety to grow for the local market. **Price**—(Pkt. 5c) (oz. 40c) ( $\frac{1}{4}$  lb. \$1.25) (1 lb. \$4.50)

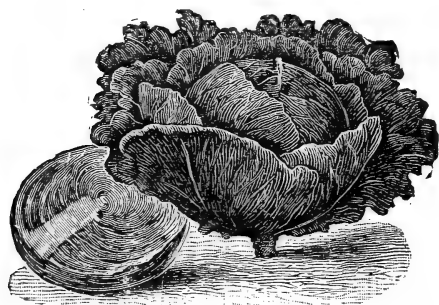


A. &amp; M. Early Drumhead

## Chinese Cabbage

This delicious vegetable should be more generally used. It is more easily grown than the ordinary cabbage, and when boiled with meat, it is much better than either cabbage or turnips. Every home garden should have a plot of Chinese Cabbage. Grow it exactly as you do lettuce.

**Price**—(Per pkt. 10c) (oz. 75c)



Improved Red Drumhead Cabbage

**All Seasons.**—The heads are extremely hard and solid, round, flattened on top and ready to market nearly as early as Early Drumhead, while considerably larger in size. It is called "All Seasons," because it is as good for autumn or winter as for early summer. (Per pkt. 5c) (oz. 20c) ( $\frac{1}{4}$  lb. 60c) (lb. \$2.00) prepaid.

**Hollander.**—Is one of the best of all the hard heading varieties. The heads are thick, round, of medium size and as solid as a rock; of good flavor and heads well in our winter climate. It is a desirable sort for our gardeners. **Price**—(Per pkt. 5c) (oz. 30c) ( $\frac{1}{4}$  lb. 90c) (lb. \$3.00) prepaid.

## A. &amp; M. Early Drumhead

Year by year this desirable sort becomes more and more popular. It is very early, tender, crisp, and just the right size for table use. Truckers like it because every stalk produces a head.

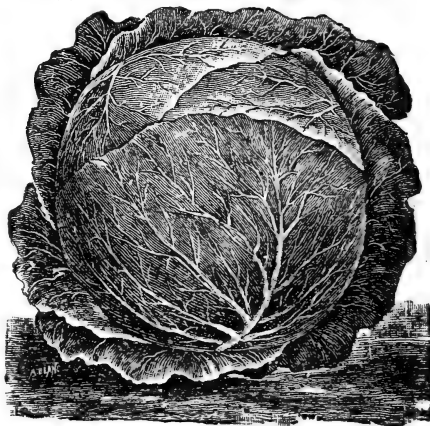
**Price**—(Pkt. 5c) (oz. 20c) ( $\frac{1}{4}$  lb. 60c) (lb. \$2.00) postpaid.



Chinese Cabbage

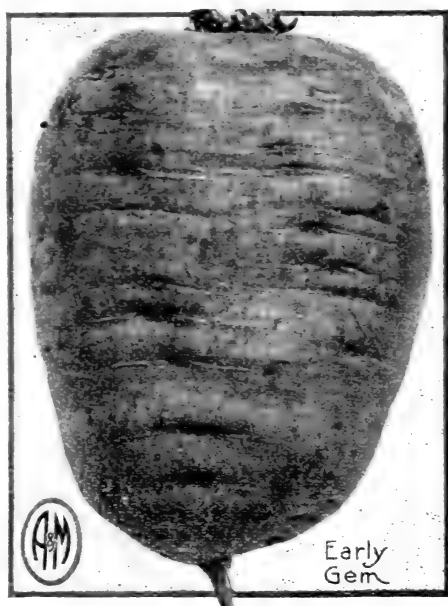
**American Drumhead Savoy.**—The best of all the Savoy. Short stump, large size, solid. (Per pkt. 5c) (oz. 20c) (per  $\frac{1}{4}$  lb. 60c) (lb. \$2.00) postpaid.

**Improved Red Drumhead.**—Heads round in shape, of deep color and remarkably hard and solid. (Pkt. 5c) (oz. 20c) ( $\frac{1}{4}$  lb. 60c) (1 lb. \$2.00) postpaid.



Holland Cabbage

## Carrots



**Culture.**—May be sown all the year round. Till the soil deeply and manure heavily. Cover seed from one-half to one inch in depth. Sow in drills 15 inches apart and thin out to four or five inches apart;  $2\frac{1}{2}$  pounds of seed will sow an acre;  $\frac{1}{2}$  ounce to 100 feet of drill

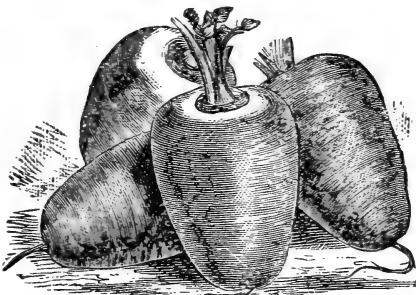
### A. & M. EARLY GEM

Somewhat resembles the Guerande or Oxheart, but is more uniform in shape, of finer texture and almost entirely free from the core usually found in other varieties. Flesh deep red, very tender and delicious in flavor. The roots generally attain from four to five inches in length and about three inches in diameter, although they have been grown to nearly double these dimensions. For bunching, the handsome appearance is a marked advantage over all other varieties. It is a favorite with the market gardeners.

**Price**—(Pkt. 5c) (oz. 25c) ( $\frac{1}{4}$  lb. 75c) (1 lb. \$2.50) postpaid.

**Guerande, or Oxheart.**—Beautiful shape and color. The roots generally attain four or five inches in length and about three inches in diameter. Quality first rate, very tender, with almost an entire absence of core. This is the market gardener's favorite. (Pkt. 5c) (oz. 25c) ( $\frac{1}{4}$  lb. 75c) (1 lb. \$2.50) postpaid.

**Early French Forcing.**—A small sort, but desirable on account of its extra early habits. (Per pkt. 5c) (oz. 25c) ( $\frac{1}{4}$  lb. 75c) (1 lb. \$2.50) postpaid.



### Oxheart Carrot

**Danvers.**—The roots are smooth and of a rich, dark orange color. One of the best sorts for a main crop. Per (pkt. 5c) (oz. 25c) ( $\frac{1}{4}$  lb. 75c) (1 lb. \$2.50) postpaid.

**Chanteney.**—Flesh a deep golden orange color. Always smooth and fine in texture, very tender. Per (pkt. 5c) (oz. 25c) ( $\frac{1}{4}$  lb. 75c) (1 lb. \$2.50) postpaid.

**Improved Long Orange.**—A deep orange colored variety adapted for farm or garden culture. Per (pkt. 5c) (oz. 25c) ( $\frac{1}{4}$  lb. 75c) (1 lb. \$2.25) postpaid.



### French Forcing

"I have used your seeds for the past few years, always having found them of the highest quality."—L. E. Ballagh, Ventura Co.

**Large White Belgian.**—Is raised exclusively for stock. Grows to a very large size; is easily gathered. Per pkt. 5c—oz. 15c— $\frac{1}{4}$  lb. 35c—1 lb. \$1.25. Postpaid.

**Large Yellow Belgian.**—Is similar to the above, but a light orange color; said to be richer. Pkt. 5c—oz. 15c— $\frac{1}{4}$  lb. 35c—1 lb. \$1.25. Postpaid.

**Half-Long Giant White.**—The largest of all stock Carrots, and desirable because it does not grow to a great depth, and although six inches in diameter, there is no hard core. Price, pkt. 5c—oz. 15c— $\frac{1}{4}$  lb. 35c—1 lb. \$1.25. Postpaid.

## Cauliflower

Cauliflower is grown in large quantities. Southern California ships five hundred cars annually from November to April during each season, and the returns are of a very satisfactory nature. The industry is on a solid basis and growing each year.

Do not plant Cauliflower seed earlier than July 1st in Southern California, as the hot weather in September is almost sure to destroy any Cauliflower that is advanced so far as to begin heading.

**Culture.**—Prepare the soil as for Cabbage. Seed may be sown from July to the following April. Transplant when the plants are six to seven weeks old. When the stems have become hardened in the bed they will be likely to head prematurely. Set out the plants 18 inches apart, in rows of 3 feet. Cauliflower should be kept growing constantly, as it may be injured by a check at any period of its growth, and go to seed; hence, irrigate freely. One ounce of seed produces 2,000 plants; six ounces to the acre.

**Our Extra Early Snowball**—See Novelty, page 4.

**Henderson Early Snowball.**—This is the best early variety; planted July 1st; matures about December 1st; heads of medium size, pure white and delicious. Price (per pkt. 25c) ( $\frac{1}{4}$  oz. 75c) (oz. \$2.50) ( $\frac{1}{4}$  lb. \$8.00) Postpaid.

**California Pearl.**—For further description see Novelty, page 4.

**Improved Algiers**—Next to California Pearl this is probably the best late variety. It should not be planted until July 15th in Southern California, as it will not head up well until the cold weather of January or February. Price (per pkt. 10c) (oz. \$1.00) ( $\frac{1}{4}$  lb. \$3.50) Postpaid.

**California Mammoth.**—Is the largest variety grown anywhere in the world. It is not uncommon to attain 16 inches in diameter, while 10 and 11 inches is the average; too large for eastern shipment. It is of California origin. Per (pkt. 10c) (oz. \$1.75) ( $\frac{1}{4}$  lb. \$5.50) Postpaid.

**Autumn Giant.**—Heads large, firm and compact, thoroughly protected by foliage. Per (pkt. 10c) (oz. 80c) ( $\frac{1}{4}$  lb. \$2.25) Postpaid.

**Holland Early Erfurt.**—The first early and one of the very best for market. (Pkt. 25c) ( $\frac{1}{4}$  oz. 75c) (oz. \$2.50) ( $\frac{1}{4}$  lb. \$8.00) Postpaid.

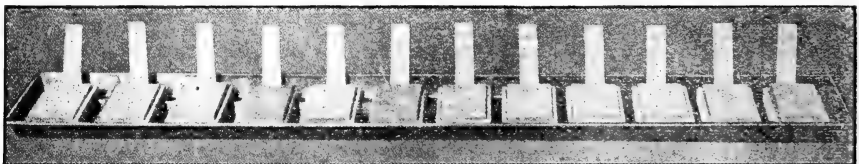
### DRY WEATHER CAULIFLOWER

Another season again demonstrated that Dry Weather Cauliflower merits the confidence of all growers as an all year round variety. We give it special recommendation for the first early and very late planting. It requires rich soil and good cultivation, but will withstand more drought than any other variety.

Price (pkt. 25c) ( $\frac{1}{4}$  oz. 75c) (oz. \$2.50) ( $\frac{1}{4}$  lb. \$8.00).

### NOTICE

It is cheaper to send all packages above four pounds by express. If just as convenient to the customer, we prefer to send by that method. If preferred by mail, please so state on the order.



We test the germination of all seeds with the Bauer Method pictured here.

## Celery

**Culture.**—Sow the seed in February, in drills twelve inches apart, not too thick in the row to secure stalky plants. In June when the plants are strong, transplant to furrows four feet apart and six inches deep. Set the plants six inches apart in the furrows, as the plant grows fill the earth toward the plant to secure proper bleaching.

**Dwarf White Plume.**—This seed is imported from France and grows twelve to fifteen inches high almost entirely white during its entire growth. It is very crisp. On account of its earliness it is desired for first planting. (Pkt. 5c) (oz. 25c) ( $\frac{1}{4}$  lb. 75c) (lb. \$4.00) Postpaid.

**Pink Plume Celery.**—The "Pink Plume" is practically identical with "White Plumes," but with the added merit of the stalks being diffused with pink. (Pkt. 5c) (oz. 20c) ( $\frac{1}{4}$  lb. 60c) (lb. \$2.00) Postpaid.

**Giant Pascal.**—It is a green top, much superior to the California green top. It is a great favorite in the eastern gardens. Price (per pkt. 5c) (oz. 20c) ( $\frac{1}{4}$  lb. 60c) (lb. \$2.00) Postpaid.

**Flavoring Celery.**—Per (lb. 40c) ( $\frac{1}{2}$  lb. 25c). Postage extra.

### CELERY—California Giant White Plume

We have now the grandest strain of White Plume Celery ever offered to the market gardener. Two years ago we first sold this strain, and the cry came from the peat lands of West Adams street that it was too large. It was indeed a curiosity to all visitors to the market, as you will believe when you know a bunch of 12 stalks weighed 64 pounds, was solid and crisp with a decidedly salty flavor derived from the alkaline soil in which it was grown. On the peat lands of West Adams street it attains its highest perfection in the world. (Pkt. 5c) (oz. 25c) ( $\frac{1}{4}$  lb. 85c) (lb. \$3.00). Postpaid.

### GOLDEN SELF BLANCHING

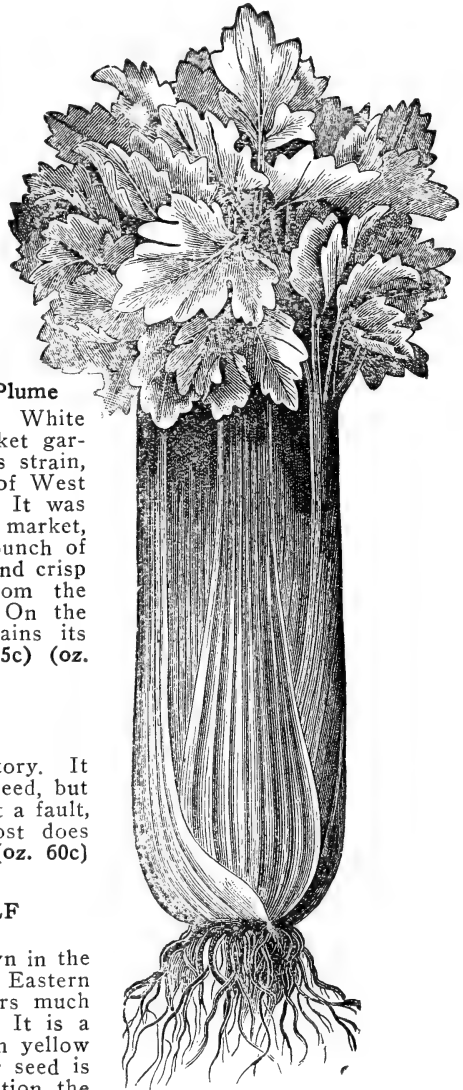
(California Grown Seed)

This is proving to be highly satisfactory. It grows larger stalks than the imported seed, but does not blanch as perfectly which is not a fault, but somewhat in its favor because frost does not damage it so readily. (Pkt. 10c) (oz. 60c) ( $\frac{1}{4}$  lb. \$1.75) (1 lb. \$6.00). Postpaid.

### PARIS DWARF GOLDEN SELF BLANCHING

This is the variety so extensively grown in the peat lands of Orange County for the Eastern market. It withstands the cold winters much better than the White Plume variety. It is a nice size for crating and its rich golden yellow makes it desirable for the market. Our seed is imported and has given entire satisfaction the past ten years. Price pkt. 25c) (oz. \$2.00) ( $\frac{1}{4}$  lb. \$6.00) (lb. \$20.00). Postpaid.

**Large, Smooth Prague Celeriac.**—A large Celery flavored root used extensively for flavoring soups, pickles, etc.; also relished sliced as a salad with pepper and vinegar. It is also used to flavor chicken and potato salad. Per (pkt. 5c) (oz. 20c) ( $\frac{1}{4}$  lb. 60c) (lb. \$2.00). Postpaid.



Dwarf Golden  
Self Blanching Celery

## Sweet Corn

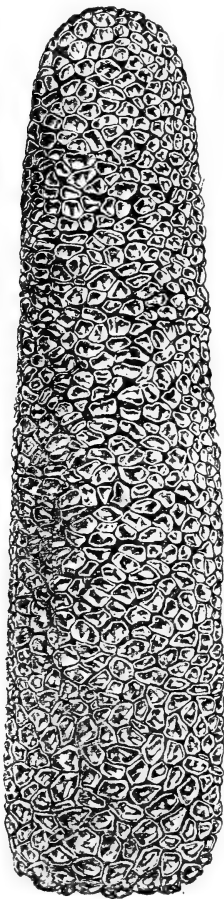
**Culture.**—Plant in hills 18 inches apart, in rows three feet apart. Allow two stalks to the hill, break off all side shoots; cultivate after each irrigation until the corn shades the ground; irrigate every two weeks until in the milk, then once or twice a week, and this will produce a solid tight husk, which will prevent the worm doing much damage.

**Our Oregon Evergreen.**—See novelty page 5.

**A. & M. Early Adams.**—See novelty page 5.

**Country Gentleman.**—The most delicious of Sweet Corn. The ears are somewhat smaller and less showy than the coarser varieties, but for private family use, where quality is preferred to size, it has no equal. The cob is very small, giving great depth to the kernels. The great merit of "Country Gentleman" is its fine quality. Time of ripening a little later than Oregon Evergreen.

Price (per pkt. 5c) (lb. 15c) (by mail 25c) (10 lbs. \$1.25). Write for quantity price.



Country Gentleman  
Corn

**Adams Early.**—The hardiest and earliest variety for table use; can be planted earlier than any other, but is not a sweet corn; white indented grains and short ear. Per (pkt. 5c) (lb. 15c) (by mail 25c) (10 lbs. \$1.00). Write for quantity price.

**Large Adams.**—This is the best market variety to plant in July and early August for late crop. (Pkt. 5c) (lb. 15c) (by mail 25c) (10 lbs. \$1.00). Write for quantity price.

**Stowell's Evergreen.**—If planted at the same time with earlier varieties and at intervals of two weeks, it will keep the table supplied until October. It is hardy and productive, very tender and sugary, remaining a long time in a fresh condition suitable for cooking. (Per pkt. 5c) (lb. 15c) (by mail 25c) (10 lbs. \$1.00). Write for quantity prices.

**Early Minnesota.**—An excellent Sweet Corn of extra early habit. Per (pkt. 5c) (lb. 15c) (by mail 25c) (10 lbs. \$1.00). Write for quantity prices.

**Early Crosby.**—Second early. Remarkably productive grower with good-sized ears. Per (pkt. 5c) (lb. 15c) (by mail 25c) (10 lbs. \$1.00). Write for quantity prices.

**Early Mammoth.**—Produces larger ears than any other sort. Per (pkt. 5c) (lb. 15c) (by mail 25c) (10 lbs. \$1.00). Write for quantity prices.

**Late Mammoth.**—One of the finest varieties for main crop. Good quality, very productive. Per (pkt. 5c) (lb. 15c) (by mail 25c) (10 lbs. \$1.00). Write for quantity prices.

**Black Mexican.**—One of the best Sweet Corns for this section. Deliciously sweet and tender, and very productive. Per (pkt. 5c) (lb. 20c) (by mail 30c) (10 lbs. \$1.25). Write for quantity prices.

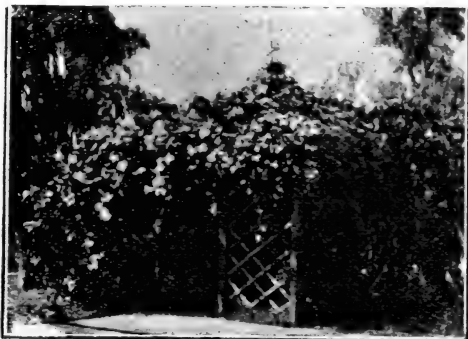
**Golden Bantam.**—Probably the very earliest variety grown. Very sweet, none better for the home garden for first early. Per (pkt. 5c) (lb. 15c) (by mail 25c) (10 lbs. \$1.25). Write for quantity price.

**White Mexican.**—Has all the good qualities and sweetness of the Black Mexican, but more desirable for the table because it has a pure white grain. (Pkt. 5c) (lb. 20c) (by mail 30c) (10 lbs. \$1.25).

**Hints to the Market Gardener.**—Plant Early Adams, February 1st. Plant Oregon Evergreen every two weeks from March 1st until July 1st. From July 1st until August 15th plant Large Adams. For the home garden plant Country Gentleman every two weeks from March 1st to August 1st.

For Field Corn see Field Corn and Fodder Plants.

## Chayote



Chayote Vine

**The Chayote.**—Is a rapid grower, covering with dense foliage a lath house ten feet square and eight feet high. One plant on one side of the house from two-year-old roots, in one season, grew up one side, over the top and down to the ground on the opposite side, with laterals, completely covered the lath house, and grew along the telephone wire a distance of more than thirty feet from the roots. On Nov. 1st, 164 Chayotes were taken from the vine with possibly that many more smaller ones remaining. The fruit is good to eat as a salad, fried as egg-plant, or as squash. One fruit envelopes one seed and because of frequent failures to get

the plant started, we have them already rooted. Should the plant be frosted or destroyed to the ground, it will send forth new growth at the proper season. **Price (per Chayote .15c) (by mail 25c) (rooted 20c) (by mail 30c).**.. Ready about February 1.

## Chicory

**Large Rooted.**—The roots, dug in the fall, dried, cut in thin slices, roasted and ground, are used largely as a substitute for coffee. Seed should be sown quite thinly in shallow drills early in the spring. When well started, thin out to stand two or three inches apart in the row, and give good cultivation all summer so that the roots may grow as large as possible. **(Per oz. 10c) (¼ lb. 35c). Postpaid.**

## Cress

**Culture.**—Sow curled or pepper grass thickly, in shallow drills, every two or three weeks. It should be cut often, and it will continue to grow. It is used not only for salad, but for the breakfast table and for garnishing.

**True Water Cress.**—Should be sown in damp soil; or if a stream of water can be utilized, they would be much finer. They will also thrive well in damp hotbeds. Rightly managed, their culture is very profitable. **(Per pkt. 10c) (oz. 35c) (¼ lb. \$1.00).**

**Pepper Grass (Per pkt. 5c) (oz. 10c) (¼ lb. 25c) (lb. 75c).**

## Corn Salad

**Corn Salad.**—Excellent for greens. **(Pkt. 5c) (oz. 15c).**

## Collards

The collard is an old-time favorite, adapted to all parts of the South, and as a producer of "greens" for boiling in winter and spring it has no equal. Some don't like the collard taste. If you don't, it will pay you to have a collard patch just to feed the chickens.

**Southern Georgia.**—This variety is the old-time favorite. Stands all sorts of adverse conditions without injury. Is very hardy. In many places where the soil is too poor to grow cabbage, the collard grows easily and makes a good substitute for cabbage. **(Pkt. 5c) (oz. 10c) (¼ lb. 25c) (lb. 75c).**

For particular information, address a letter to us asking what you wish to know. Too many failures are the result of following a general rule that does not apply to your particular condition. Write us and avoid such failures.

What and when to plant, see inside of cover page.

## GOOD ADVICE

What and when to plant, see inside cover page. Read Page 1.

For Insecticides, see Page 114.

See Page 113 for list of valuable farm books.

Read Page 15 and send us new names.

**DO NOT DESTROY THIS CATALOG. YOU WILL NEED IT CONSTANTLY**

## Cucumbers

**Culture.**—Plant from March to September in hills 4 to 6 feet each way, 8 to 10 seeds in a hill. Cover half an inch deep. When danger of insects is past, thin out the plants, leaving five or six of the strongest in each hill. One ounce of seed will plant 50 hills; two pounds to the acre. **Lemon Cucumber.**—See page 4.



This Pile of Cucumbers Yielded 6000 Lbs. of Seed.

**Klondike.**—We first catalogued this Cucumber two years ago, with the result that it proved highly satisfactory. It is very similar to the Long White Spine. Many gardeners insist that it is better. (Per pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 35c) (lb. \$1.25) (5 lbs. \$5.75). Postpaid.

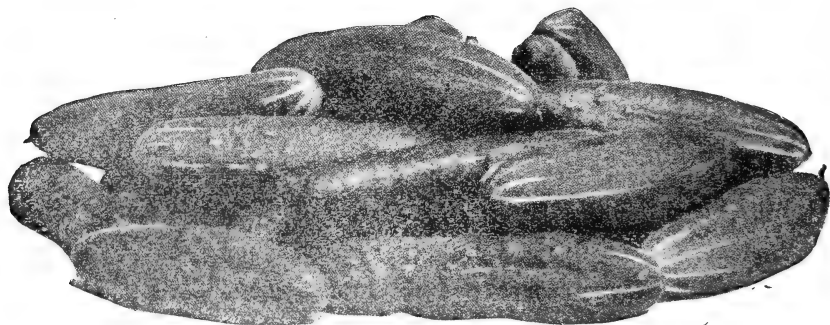
**Arlington White Spine.**—This is a favorite for early forcing outdoors. Our seed is very reliable. (Per pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 35c) (lb. \$1.25) (5 lbs. \$5.75). Postpaid.

**Improved Long Green.**—Dark green, firm and crisp, 12 to 16 inches long. Very extensively grown. (Per pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 35c) (lb. \$1.25) (5 lbs. \$5.75). Postpaid.

**Chicago Pickling.**—This is without doubt the best variety for pickling on account of its fleshy crisp and excellent flavor and productiveness. (Per pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 35c) (lb. \$1.00) (5 lbs. \$4.50). Postpaid.

**Gherkins.**—For pickling. Pkt. 5c.

**ITALIAN CUCUMBER—The Prize Winner.**—This is the largest of all Cucumbers, often thirty inches in length. Should be used when quite young; it then has an excellent flavor. Pkt. 10c.



### DAVIS PERFECT WHITE SPINE

This is the ideal cucumber. Long, slender, dark green, tender and crisp. It is the best all around cucumber yet offered for the family garden, the market garden and the hot house. Do not hesitate to plant this variety, whether you plant a dozen hills or a large acreage.

Price (pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 50c) (1 lb. \$1.50) (5 lbs. \$6.75). Postpaid.

## Endive

**Culture.**—Seed may be sown any time during the year. When plants are well started, thin out to ten inches apart to the row, or they may be transplanted to fresh rows. When plants have reached a good size, gather the leaves closely together and tie loosely in an upright bunch. This bleaches the inner leaves in about ten days and adds to the crispness as a salad, as it renders the flavor mild and delicate. One ounce will sow 100 feet of row; three pounds will plant one acre of land in rows three feet apart.

This plant furnishes an attractive and appetizing salad for the fall and winter months, or by repeated sowings supply may be had nearly all the year round.



Green Curled Endive

**Green Curled.**—Leaves finely cut or lacinated, giving the plant a rich, mossy appearance, which is greatly enhanced when the centers are nicely blanched. This is the variety generally preferred by market gardeners because it blanches to a beautiful golden yellow. (Per pkt. 5c) (oz. 15c) (¼ lb. 35c) (lb. \$1.25). Postpaid.

**White Curled.**—This beautiful variety does not need blanching to prepare it for use, the midribs being naturally of a pale golden yellow and the finely cut and curled leaves almost white. (Per pkt. 5c) (oz. 15c) (¼ lb. 40c) (lb. \$1.50). Postpaid.

**Batavian or Escarol.**—Forms large heads of broad, thick leaves, which can be blanched as a salad or make excellent cooked greens, as well as being useful to flavor soups, stews, etc. (Per pkt. 5c) (oz. 15c) (¼ lb. 35c) (lb. \$1.25). Postpaid.

## Egg Plant

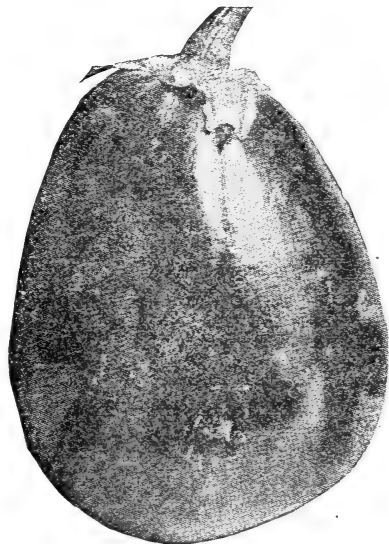
**Culture.**—Egg Plant seed germinates slowly and should be started in a strong heat. The soil should be one part leaf mold and one part sandy loam. It is important to secure a rapid and continuous growth. Set thirty inches apart, pinch off the larger leaves when transplanting.

**Improved Large Purple.**—This variety has superseded all others, both for market and home use. The large size and high quality of its fruit and its extreme productiveness make it the most profitable for the market gardener. It is spineless, which is a great advantage in shipping. (Per pkt. 10c) (oz. 40c) (¼ lb. \$1.25) (lb. \$4.00). Postpaid.

**Black Beauty.**—Fruit large, symmetrical in shape and uniformly of a rich, dark purple color. Fruit matures a little earlier than our Improved Large Purple, but are not quite as large. (Per pkt. 10c) (oz. 60c) (¼ lb. \$1.75) (lb. \$5.00). Postpaid.

**The Tree Egg Plant.**—This variety attracts attention wherever grown. It is of medium size and extremely good shape, being particularly adapted to slicing, as there is no waste of material. It resists drouth and bad weather to a wonderful degree, partly on account of its strong, upright growth. It bears its eggs or fruit sometimes one or two feet above the ground, thus escaping liability to rot. (Per pkt. 15c) (oz. 60c) (¼ lb. \$1.75) (lb. \$6.00). Postpaid.

**NOTICE:**—Although frost may destroy the plant to the ground, it will sprout again from below the surface of the ground and produce an early crop the second season. Do not destroy your field because it has been frosted.



Tre Egg Plant

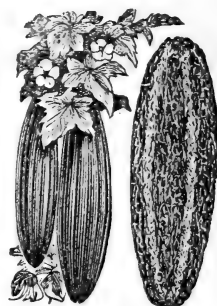
This book contains much valuable information; keep it.

## Gourds

**Culture.**—Gourds are tender annuals, of trailing or climbing habit. The seed should not be planted until the ground is warm. Plant in hills and cultivate as cucumbers. Leave only three or four plants in a hill, and allow the vines to ramble or train over a trellis.

**Dish Rag Gourd.**—The peculiar lining of this valuable gourd gives it its name. The fruit grows about two feet long. The interior membrane is serviceable for a variety of household purposes, being used as a dish cloth, or sponge. The fibre is tough, elastic and durable. Start seed under glass in the North. Per (pkt. 10c).

**Orange or True Mock Orange.**—A good old sort, the fruit often finding its way into the family sewing basket. A beautiful and rapid climber, quickly covering trellises. Fruit the size and shape of an orange. Per (pkt. 5c) (oz. 15c).



Dish Rag Gourds

**Dipper.**—A well-known and useful gourd. When grown on the ground the stem is much curved; but on a trellis the weight of the fruit makes the stem or handle straight. This gourd is very much in demand. (Per pkt. 10c) (oz. 25c).

**Hercules Club.**—The largest of all gourds; sometimes attains a length of three and one-half feet. Per (pkt. 10c).

**Nest Egg.**—Per (pkt. 5c).

**Ornamental.**—Small, odd shapes and colors. Per (pkt. 10c).

**Mixed Gourds.**—Pkt. 5c.

**Sugar Trough.**—Large bowl shaped; used extensively by the native Hawaiians for culinary purposes. Per (pkt. 10c).

**South African Pipe Gourd.**—When not trellised they grow with a uniformly curved neck forming a pipe shaped gourd that colors like a meerschaum and is as useful. Pkt. 10c.

## Herbs

### Pot, Culinary and Medicinal

Herbs in general, delight in a rich, mellow soil. Sow the seed any time throughout the year, in shallow drills one foot apart; cover lightly with fine soil, and when up a few inches, thin out to proper distances apart, or transplant into prepared beds. Care should be taken to harvest properly; do this on a dry day, just before they come into full blossom. Dry quickly in the shade, pack closely in bottles or dry boxes to exclude the air; this will insure their being preserved in good condition for future use. Varieties in the list marked \* are perennials.

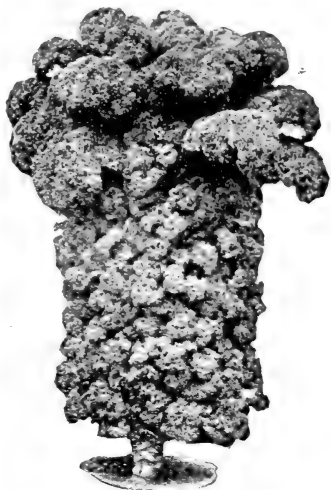
**Sage.**—Sow in rich ground and thin out the plants to stand 16 inches apart. Cut the young shoots when flowers open, and dry in the shade. Used for flavorings and dressings in many ways. A good supply is always needed. Per (pkt. 5c) (oz. 15c) (¼ lb. 40c) (lb. \$1.35).

**Dandelion.**—Very early, leaves of which make wholesome greens. Sow in May or June. Cultivate during summer and following spring the leaves will be fit to cut. Per (pkt. 10c) (½ oz. 35c) (oz. 65c).

### Other Leading Varieties

	Pkt.	Oz.		Pkt.	Oz.
Anise .....	5c	10c	*Lavender, Sweet .....	5c	10c
*Balm .....	5c	15c	*Peppermint .....	10c	...
Borage .....	5c	10c	*Rosemary .....	5c	25c
Burnet .....	5c	10c	Saffron .....	5c	10c
*Caraway, lb. 50.....	5c	10c	Summer Savory .....	5c	10c
*Catnip or Catmint .....	5c	40c	Sweet Basil .....	5c	10c
Chervil .....	5c	10c	Sweet Marjoram .....	5c	15c
Coriander, lb. 50c.....	5c	10c	*Thyme .....	5c	25c
Dill .....	5c	10c	*Winter Savory .....	5c	15c
*Fennel, Sweet .....	5c	10c	*Wormwood .....	5c	20c
*Perennials.					

## Kale



Kale

**Culture.**—Seed should be sown thinly in drills about the middle of June for the tall sorts, transplanting the young plants to rows three feet apart in the field when of sufficient size. Later in the season the dwarf sorts may be sown rather thickly in drills or broadcast to furnish small heads to be cooked like spinach during the winter month. One ounce to 100 feet of drill.

**Dwarf German Kale.**—German Green or Sprouts (Dwarf Curled Scotch Kale.) The leaves are curly, bright green, very tender and delicate flavor. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c). Postpaid.

**Tall Green Curled Scotch.**—This makes a beautiful plant, about two and a half feet tall. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c). Postpaid.

**Jersey Kale.**—A tall variety with smooth leaves. Especially used for feeding chickens. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 20c) (1 lb. 60c). Postpaid.

**Thousand Headed Kale.**—Excellent for the table and for poultry greens. (Pkt. 5c) (oz. 15c).

## Kohl Rabi

**Culture.**—Plant and treat like cabbage. Seed may be sown from July to following April. An ounce of seed will produce 2,000 plants.

**Early White Vienna.**—The earliest sort, very tender, excellent for table use. Per (pkt. 5c) (oz. 20c) ( $\frac{1}{4}$  lb. 60c) (1 lb. \$2.00). Postpaid.

**Early Purple Vienna.**—Similar to above, but has flesh of purple color. Per (pkt 5c) (oz. 20c) ( $\frac{1}{4}$  lb. 60c) (1 lb. \$2.00). Postpaid.

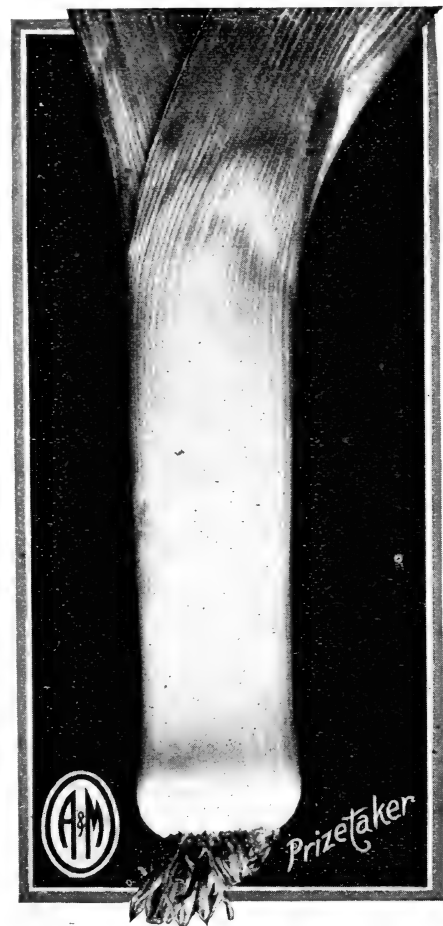


## Leek

A. & M. Prizetaker

We believe in having the best of everything. With this idea always before us, we have secured this fancy strain of leek. It is large, white, tender and mild. The best in the world

Price (pkt. 5c) (oz. 20c) ( $\frac{1}{4}$  lb. 60c) (1 lb. \$2.00). Postpaid.



Send with your order the correct name and address of five or more ranchers and gardeners, and you will receive in return five pkts. of seed. See page 15.

# Lettuce

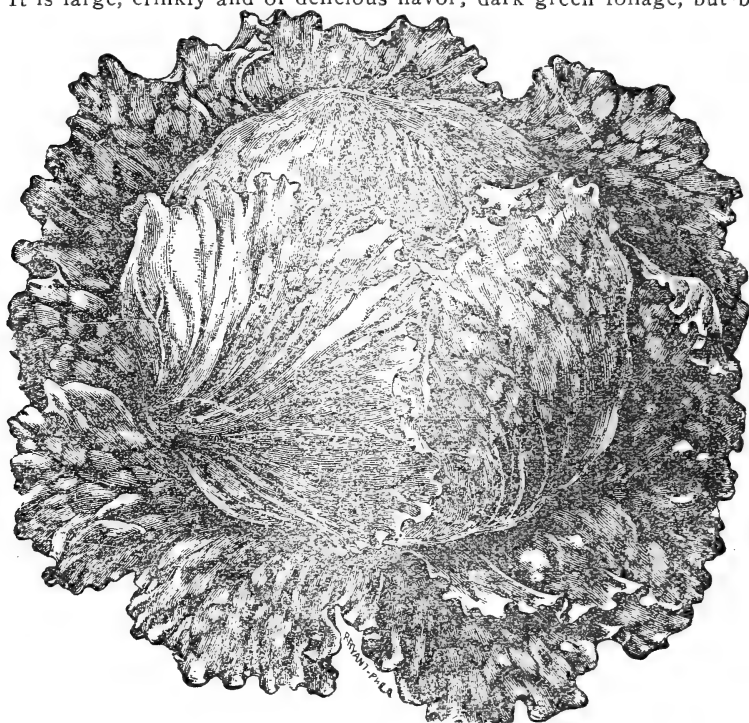
## Curled Leaved Varieties

**Culture.**—Lettuce can be sown all the year round. All varieties attain their highest perfection during the months from November 1st to May 1st. It requires about three and one-half months from seed to maturity. Smooth leaved varieties seem to head better during the summer months, than the curled varieties. To attain the best results, Lettuce requires a very loose, rich loamy soil. Planted in double rows, about 18 inches apart, 10 inches apart in the row. Irrigate not less than once a week during the dry season. Be sure to cultivate after each irrigation.

**Marblehead.**—See novelty page 6. **New York Special.**—See novelty page 6.

**New York.**—Darker green than New York Special with heads more rounded and leaves curled above the head, affording protection against frost. It is one of the best varieties to plant from September 1st to February 1st. Price (pkt. 5c) (oz 10c) ( $\frac{1}{4}$  lb. 35c) (1 lb. \$1.20) (5 lbs. \$5.00). Postpaid.

**Wonderful Lettuce.**—Is deservedly the most popular Lettuce on the Los Angeles market. It is large, crinkly and of delicious flavor; dark green foliage, but blanched



**Wonderful Lettuce**

heart. This variety should be grown in winter time only. Sow the seed any time from September 1st to February 1st. At great care and expense we have secured an ample supply of the very best strain of this seed. (Pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 35c) (lb. \$1.25) (5 lbs. \$5.50). Postpaid.

**Iceberg.**—Large curly leaves of bright, light green, with a very slight reddish tinge at the edges. Delicious flavor. This is the best variety for a summer crop. (Pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 35c) (lb. \$2.25) (5 lbs. \$5.50). Postpaid.

**Prizehead.**—This excellent Lettuce deserves to be more popular. It has no superior. Its lack of popularity is due no doubt to the tinge of red on the edge of the leaves. Having tried it once, you will have it again. (Per pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00) (5 lbs. \$4.50). Postpaid.

**Black Seeded Simpson.**—This is a very popular variety as a loose leaf lettuce. The leaves are large, thin, very tender and of very good quality. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 35c) (lb. \$1.25) (5 lbs. \$5.50). Postpaid.

**Hanson.**—Similar to the Iceberg, without the tinge of red. Pkt. 5c—oz. 15c— $\frac{1}{4}$  lb. 35c—lb. \$1.25—5 lbs. \$5.50. Postpaid.

**Denver Market.**—One of the largest of the curled leaved varieties. Heads are not solid, but of very excellent flavor. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00) (5 lbs. \$4.50). Postpaid.

## LETTUCE---Continued

## Smooth Leaved Varieties

**California Cream Butter.**—This Lettuce has become the most popular of all smooth leaved varieties. It is the best for shipping. One gardener sold from one-half acre of this Lettuce nearly three hundred dollars' worth. It is of good flavor and beautiful in appearance. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00) (5 lbs. \$4.50). Postpaid.

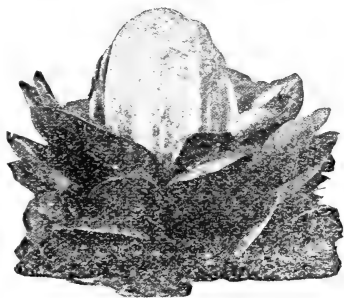


Big Boston

**Tennis Ball.**—Similar to the California Cream Butter, except in size and without the tinge of red. It forms a solid head and is best for early spring. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00) (5 lbs. \$4.50). Postpaid.

**Deacon.**—Firm, a very large head; leaves slightly crimped, very crisp. A great favorite on the St. Louis market. Not new, but always satisfactory. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00) (5 lbs. \$4.50). Postpaid.

**May King.**—The best of all smooth-leaved varieties; color light green; very tender and buttery. It is a sure header in the hottest season. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00) (5 lbs. \$4.50). Postpaid.



Triannon Cos Lettuce

**Big Boston.**—A very large and desirable variety. The leaves are slightly tinged with red. A great favorite in the Philadelphia market. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00) (5 lbs. \$4.50). Postpaid.

**Paris White Cos.**—Upright, crisp and tender. Cos Lettuce are becoming deservedly popular, and should receive the attention of market gardeners. (Pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 35c) (lb. \$1.25) (5 lbs. \$5.50). Postpaid.

## A GOOD WORD FROM MODESTO

"My orders for your goods for two years past have been but trifles, but I have received quite a large variety of seeds from you, and it is a pleasure to say that everything I believe, has proven entirely satisfactory. Your seeds are always first class, and I like your promptness and courteous manner of doing business.

"Yours truly, "P. C. PRATT."

Send five names and get five pkts. of seed. See page 15.  
What and when to plant. See inside of cover.

**DO NOT DESTROY THIS CATALOG: YOU WILL NEED IT.**

## Casabas

The delicious Casaba is becoming more popular each year. The season just past demonstrated more forcibly than ever the purity of our A. & M. Improved. Never before did the numerous wagon loads each morning show such a uniformity of type. Mr. Thompson, of Lankershim, said very forcibly: "I tell you the Improved Hybrid is the best Casaba—the Prince of them all."

If interested, ask for Casaba circular, illustrated in natural colors.

**A. & M. Improved Hybrid (The Prince of All).**—See Novelty page 7.

### GENOA CASABA, or Italian Winter Melon

Plant April 1st to July 15th. This is the winter melon that has made Italy and Spain famous. The American Consul at Madrid recommended the melon to the Department of Agriculture at Washington. All tourists returning from Southern Europe speak of this melon as a midwinter fruit worth the expense of the trip to enjoy eating thereof. Pick it when the yellow shows through the green, giving the melon a dull gray color. Keep in a cool, dry place until slightly soft; then it is delicious. It attains perfection anywhere in the Southwest. Seems to do better on damp land. **Price (pkt. 10c) (oz. 15c) (¼ lb. 90c) (1 lb. \$3.00). Postpaid.**

**A. & M. Santa Claus.**—The name is appropriate to this Melon. You can send nothing more delicious to your eastern friends for a Christmas present. The rind has the appearance of the mottled Pomegranate Muskmelon. The shell is hard and about one-eighth of an inch thick. There is no seed cavity. The seeds are embedded in a jelly-like pulp. The light green flesh is absolutely stringless. Plant April 1st to July 1st. Pick when the green turns to bright yellow. Put away until slightly soft. **Prices (pkt. 10c) (oz. 25c) (¼ lb. 75c) (lb. \$2.50). Postpaid.**

**Golden Beauty.**—Similar in all respects to the well-known Winter Casaba except that it has a beautiful golden yellow color even before it ripens. Its beautiful color commands a ready sale. The grower and propagator says that in a mixed load of Casabas, the buyers always selected this strain as long as there were any on the wagon. Plant April 1st to August 1st. Pick when bright yellow and put away until slightly soft. Many of them will keep until March.

**Price (pkt. 10c) (oz. 25c) (¼ lb. 75c) (lb. \$2.50). Postpaid.**

**A. & M. Hybrid Casaba.**—This excellent Casaba grows to large size. Flesh nearly three inches thick and of excellent flavor. It is a rampant grower, a large yielder and bears up until killed by frost. The best time to plant is in May, June and July, and do not market them until well ripened. The increased demand for this melon will insure it a profitable late crop. **Price (pkt. 5c) (oz. 20c) (¼ lb. 60c) (lb. \$2.00). Postpaid.**

**Winter Pineapple.**—This is the first of the Casabas introduced into America and is the parent of a number of hybrids all of which excel it in excellence of flavor, but none equal it in keeping qualities. **Price per (pkt. 10c) (oz. 20c) (¼ lb. 60c) (lb. \$2.00). Postpaid.**

**White's Favorite.**—A summer Casaba of delicious flavor. In strong demand before the other Casabas appeared on the market. Should be sown early and marketed the same as muskmelon. **Price (per pkt. 10c) (oz. 30c) (¼ lb. \$1.00) (lb. \$3.00).**

**White African.**—This delicious Melon is very popular in the South of France. It is an excellent keeper, and must be harvested before it is ripe. If properly cared for it will readily keep until January. It is a delicious Melon if properly grown and harvested, but must not be allowed to ripen in the field. **Price (per pkt. 10c) (oz. 30c) (¼ lb. \$1.00) (lb. \$3.00). Postpaid.**

**Summer Casaba.**—This is a delicious Melon for the home garden, but on account of its extraordinary size and poor keeping qualities, it is not a profitable Melon to grow for the market. **Price (per pkt. 5c) (oz. 15c) (¼ lb. 40c) (lb. \$1.25). Postpaid.**

## Muskmelons

**Our Selected Melon Seed.**—Owing to our extensive trade with large melon growers and associations, we exercise every precaution possible to secure the best type of melons. Having procured the best seed obtainable, we have them grown especially for us. Our fields showed the wisdom of this method, for they showed the highest per cent of perfect melon.

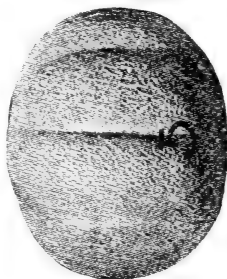
**Culture.**—Sow in hills six feet apart in rows eight feet apart. Drop about twenty seeds to the hill; cover one inch deep. To avoid the cucumber beetle cover the hills at the time of planting with cheese cloth about eighteen inches square placed over two wires bowed over the hills at right angles. Plant from March 1st until July 1st.

Our Muskmelon seed cannot be excelled.

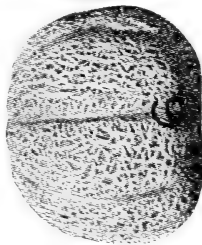
**Netted Rock.**—See page 8. **Rule's Choice.**—See page 8.

## MUSKMELONS—Continued

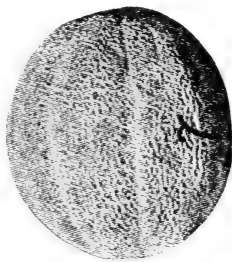
This picture shows comparative size of some popular varieties.



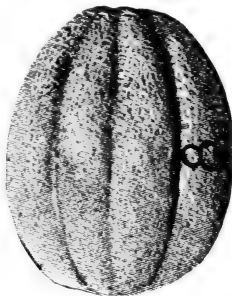
Tiptop



Nutmeg



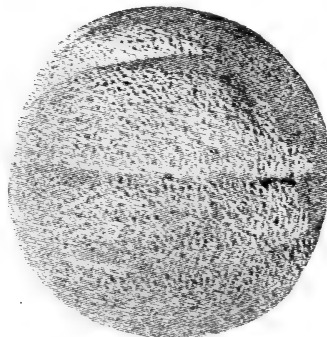
Champion Market



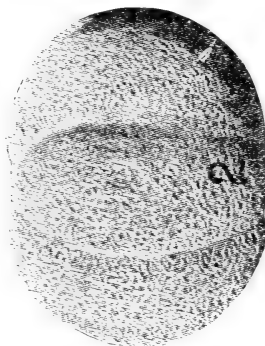
Gautier Pineapple



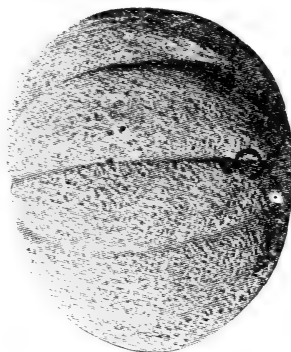
Jenny Lind



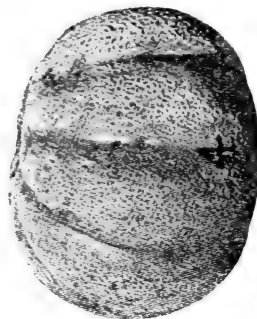
Los Angeles Market



Large Hackensack



Montreal Market

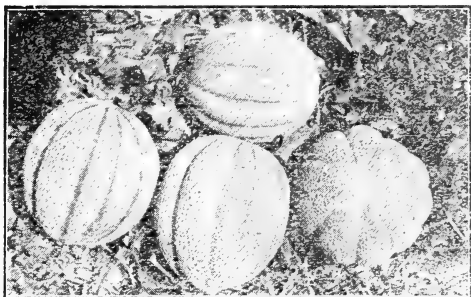


California Beauty

This group of Muskmelons was selected as being typical of their respective varieties. The photograph shows the comparative size and shape of each variety. All are good. The Tip Top has yellow flesh and is the favorite at Long Beach. The Gautier Pineapple is the popular melon in Los Angeles because of its firm green flesh and delicious flavor. No seed house in the United States devotes more attention or takes more pains than we do to have the best Muskmelons and Casabas. It is no easy task to keep the types pure. We do it by growing our own melons and selecting our own seed stock.

## MUSKMELONS—Continued

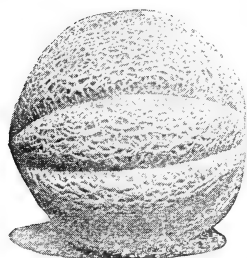
## THE ORIGINAL GAUTIER PINEAPPLE



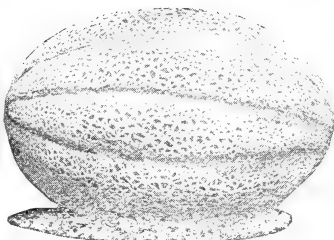
The Original Gautier Pineapple

Last season again clearly demonstrated the superiority of this strain of the popular Pineapple. All large planters who grew it last season told us it was entirely satisfactory, and stated they would want the same again next season. Its uniform shape, heavy netting, good flavor, deep green flesh, all together, with an enormous yield of good melons, few culls, make this the best market gardeners' melon. It is twelve years since we first introduced this variety at the market.

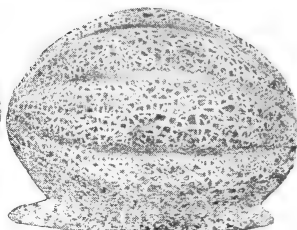
Price (pkt. 5c) (oz. 15c) (1 lb. \$1.25) (5 lbs. \$5.50). Postpaid.



A. &amp; M. Nutmeg



Pineapple



A. &amp; M. Triumph

**A. & M. Triumph.**—Is similar to the Pineapple, but not so large. This is much in its favor, as gardeners are complaining that the Pineapple is too large. It excels the Pineapple in the excellence of its flavor. Price (per pkt. 5c) (oz. 15c) (¼ lb. 50c) (½ lb. \$1.50) (5 lbs. \$6.75). Postpaid.

**A. & M. Nutmeg.**—Although the Melon has appeared on the market for several years, on account of its similarity to the Pineapple many thought it was the same, and its true identity remained unknown. It is a desirable medium size, is heavily netted and excels the Pineapple in flavor. Price (pkt. 5c) (oz. 15c) (¼ lb. 40c) (½ lb. \$1.25) (5 lbs. \$5.50). Postpaid.

**Los Angeles Market.**—This is the largest of all the Muskmelon family except California Giant, and we positively state that none will excel it in flavor. Gardeners object to its large size, but good profit will come to the grower who will plant it. It yields an enormous crop and all melons are very large and beautiful. Price per (pkt. 5c) (oz. 15c) (¼ lb. 40c) (½ lb. \$1.25) (5 lbs. \$5.50). Postpaid.

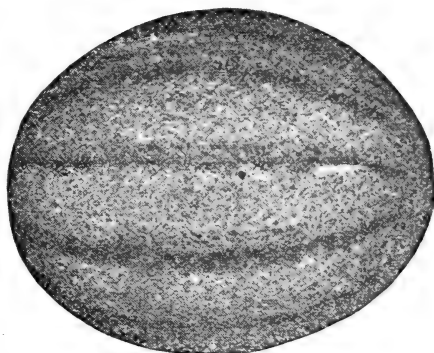
**Montreal Market.**—Large size and delicious flavor. Often grows to a weight of 20 to 25 lbs. One of the best market sorts and a good shipper. (Pkt. 5c) (oz. 15c) (¼ lb. 40c) (½ lb. \$1.25) (5 lbs. \$5.50). Postpaid.

**Tip Top (Yellow Flesh).**—This Melon is very popular at Long Beach, almost to the exclusion of any other variety. This is a fine, round Melon of such attractive appearance as to always sell quickly in the markets. It is sweet, juicy and delicious. The flesh is firm, but not hard, and is edible almost to the rind. The Melon is of medium to large size, and is one of the best yellow fleshed sorts. Price per (pkt. 5c) (oz. 15c) (¼ lb. 50c) (½ lb. \$1.50) (5 lbs. \$6.75). Postpaid.

**Champion Market.**—A very popular early Melon. Similar to the Rocky Ford in appearance, but double the size. In flavor it cannot be surpassed. (Pkt. 5c) (oz. 15c) (¼ lb. 40c) (½ lb. \$1.25) (5 lbs. \$5.50). Postpaid.

**Model.**—We have the true type of the Model as we introduced it six years ago. This melon won popularity because it is as early as the Rocky Ford, about twice as large, and ripens rapidly. The entire crop matures in a short space of time, yet it is very prolific and of excellent flavor. Plant Model for your first early. Price per (pkt. 5c) (oz. 15c) (¼ lb. 50c) (½ lb. \$1.50) (5 lbs. \$6.75). Postpaid.

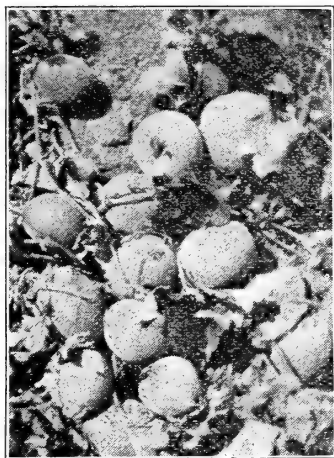
**Jenny Lind.**—For the last three seasons this Melon has commanded marked attention because of its beautiful appearance, the excellence of its flavor and ready sale. (Pkt. 5c) (oz. 15c) (¼ lb. 40c) (½ lb. \$1.25) (5 lbs. \$5.50). Postpaid.

**Burrell's Gem****MUSKMELONS—Continued**

**Burrell's Gem.**—This Melon was introduced by us three years ago. It is a greatly improved variety of the well known and popular Paul Rose and has now superseded it entirely. The outer appearance is oblong with rich dark green rind, even when the Melon is ripe. The flesh is salmon color and of delicious flavor. It is rapidly displacing the Rocky Ford as a shipper. (Pkt. 5c) (oz. 15c) (¼ lb. 50c) (lb. \$1.50) (5 lbs. \$6.75.). Postpaid.

**Rocky Ford.**—The flesh is deep and thick, and light green in color, except next to the seeds, where it inclines toward a yellow. The flavor is exceedingly fine. The skin is regularly ribbed and thickly netted. It is a firm, solid Melon and will carry in perfect condition for a week or more after its removal from the vine. It is a heavy cropper, and in wide favor as a market Melon. (Pkt. 5c) (oz. 10c) (¼ lb. 30c) (lb. \$1.00) (5 lbs. \$4.50). Postpaid.

**Improved Osage.**—This has for many years been one of the leading varieties in the East because of its earliness and excellent flavor. It is of medium size, salmon flesh, with green rind similar to the well-known Burrell's Gem. Once a customer for Osage, always a customer. Price per (pkt. 5c) (oz. 10c) (¼ lb. 50c) (lb. \$1.50) (5 lbs. \$7.00). Postpaid.

**MUSSER'S SUPERB**

Similar to Rule's Choice, but not so large nor so aromatic. Heavily netted, very prolific. The picture shows only part of a hill of 26 melons of uniform size. Everyone who used this melon the last two years is loudest in praise of it. It is an English hot-house Melon, acclimated to our climate. It will produce more marketable melons to the acre than any other variety. Price per (pkt. 10c) (oz. 20c) (¼ lb. 60c) (lb. \$2.00) (5 lbs. \$8.50). Postpaid.

**California Giant.**—The largest of all muskmelons, frequently weighing about thirty pounds. It has green flesh of an excellent flavor. It finds a ready market. It is particularly good for spicing. Price per (pkt. 10c) (oz. 25c) (¼ lb. 75c). Postpaid.

**Casad.**—A new Melon, the type of which is not yet fixed, but with our careful selection of the best melons for seed, it promises to become a favorite for the home garden. Price per (pkt. 10c) (oz. 25c). Postpaid.

**One Hill of 26 Melons**  
**Musser's Superb**  
home garden. (Pkt. 5c) (oz. 10c) (¼ lb. 50c) (lb. \$1.50) (5 lbs. \$7.00). Postpaid.

**Banana.**—Very odd; 18 to 21 inches long. Yellow flesh, blending from bright green to rich salmon. Fragrant, and one of the most delicious of early melons. (Pkt. 10c) (oz. 25c).

**Hoodoo.**—A delicious salmon-fleshed melon similar to Burrell's Gem except in shape; a good shipper and exceedingly productive. (Pkt. 5c) (oz. 15c) (¼ lb. 40c) (lb. \$1.25) (5 lbs. \$5.50). Postpaid.

"Aggeler & Musser Seed Co.

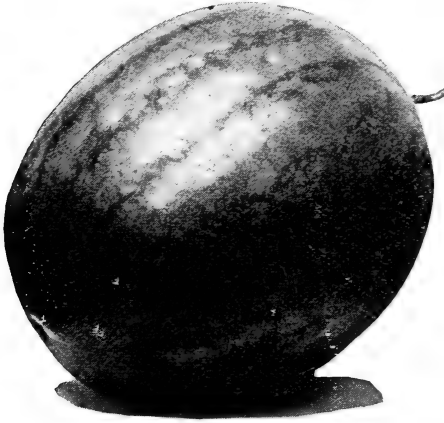
"Please send at once 1 ounce Hoodoo Melon seed; they are the best melon I have ever eaten. "D. I. SWARTZ."

**Emerald Gem.**—A very small delicious salmon-fleshed muskmelon. It would make a market gardener independent of all other growers if he would establish a trade with first class hotels. The Emerald Gem would hold the trade. (Pkt. 5c) (oz. 10c) (¼ lb. 50c) (lb. \$1.50) (5 lbs. \$7.00).

**Pomegranate, or Peach Melon.**—For Mangoes. Pkt. 5c.

## Water Melons

A new way to plant large fields to Mushmelons and Watermelons. Easy, rapid and right. Use our Segment Corn Planter. See page 117.



Chilian

**Culture.**—Plant from March to July, in light, sandy loam. Prepare the soil well by deep plowing and thorough harrowing and ridge up slightly. Plant in hills ten feet apart, ten to twenty seeds in a hill to enable the sprouts to force their way to the surface. Do not plant more than two inches deep. Make two arches at right angles with wire 18 inches long. Cover with a piece of cheese cloth one-quarter yard square, to be absolutely safe from insects. When the tent is crowded, remove. After the plants have become hardened, thin out to three in a hill.

**A word to all who grow to ship:** Owing to the extensive business we have with Melon growers all through the South and West, it has become necessary that we grow all our own Melon seed in order to have the best.

Our seed fields appeared to us to be perfect, showing the finest type of large, perfect Melons. Our Klondike, Angeleno, Kleckley Sweet, Florida Favorite, Rattlesnake, Santiago and Chilean Melon seed cannot be excelled.

Growers wanting ten pounds or upward write for special price.

**Klondike.**—See page 9.

**Angeleno.**—See page 9.

**The Chilean.**—Never before did a Melon so completely monopolize an entire market for so long a time as the Chilean. This is due to our carefully selecting the best seed stock each year. It is a good shipper, but the grower frequently errs in shipping before the Melon is ripe, with the result that the rind is thick, the Melon is not sweet and the consumer condemn it. There is no melon superior to a good Chilean. Price per pkt. 5c—oz. 10c— $\frac{1}{4}$  lb. 35c—lb. \$1.00—5 lbs. \$4.50. Postpaid.

### BLACK SEEDED CHILIAN

Originated in Orange County.

When we introduced the Chilean melon, in 1900, it had black seeds. Soon some white seeded Chilians appeared, and we selected our seed stock from these. After two seasons, we had a pure white seeded Chilean and the Black Seeded ones disappeared entirely, but occasionally a brown seeded melon showed up and always proved to be sweeter and earlier than the White Seeded melon, but not so large nor as attractive in appearance. Soon some Black seeded melons were again discovered in the fields near Redondo. These showed the dark green rind and yellow breast of the original Chilean, smaller in size, with all its excellent flavor and stingless meat. This is what the trade wants for early, and we have taken great care to get just the right strain.

Price (pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 50c) (1 lb. \$1.50) (5 lbs. \$6.75).

**‘Philippino.’**—Many peddlers prefer this Melon to all others. Where once tasted they are wanted again. It is a poor shipper on account of its thin rind and crispness. For the home garden it has no equal. Price per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 35c) (lb. \$1.25). Postpaid.

**Rattlesnake.**—Has long been a popular Melon with shippers. It is a long Melon, having a white rind, with dark green stripes. Flesh of excellent flavor. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00). Postpaid.

**Yellow-fleshed Ice Cream Watermelon.**—This Melon is well known in the Los Angeles market. It grows to a very large size, is long in shape and the rind an even dark green. In quality it is simply delicious, sugary and of a rich flavor peculiar to itself. Price per (pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 50c) (lb. \$1.50) (5 lbs. \$6.75). Postpaid.

**Red Seeded Chilean.**—This strain of the Chilean has become very popular because it is a week earlier than the white-seed strain, and every one is sweet and sugary. Many growers will plant this exclusively. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 35c) (lb. \$1.00). Postpaid.

**WATER MELONS—Continued**

**White Seeded Chilean.**—This is the largest of all the Chilean Melons, and our seed was grown from the largest and purest strain that appeared on the market for several seasons. Price (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 35c) (lb. \$1.00) (5 lbs. \$4.50).

**Kleckley Sweet**

**Kleckley's Sweet.**—This is the favorite shipping Melon with growers in the Sacramento and San Joaquin valleys. It is of good size, a very green rind, with deep red flesh of delicious flavor. Our seed positively cannot be excelled. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.25) (5 lbs. \$5.50). Postpaid.

**Alabama Sweet.**—A very large, long Melon of fine quality; very popular in the South where it is grown extensively for shipping. Color rather deep green, with dark, irregular striping. Rind firm, flesh bright red. Seed white. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00). Postpaid.



**Florida Farovite.**—This Melon is very popular with shippers, because of its extreme earliness, and all round good qualities as a good shipper. In appearance it is similar to the Rattlesnake, the rind being considerably darker. Price (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. \$1.00). Postpaid.

**Santiago.**—This variety has many of the good qualities of the well known Chilean. It is a large, long, heavy Melon; rind dark green with stripes of black. The flesh is

**Florida Favorite**  
deepest red and solid throughout, the edible portion extending to within half an inch of the skin. The rind is very hard and it makes a good shipper. Price per (pkt 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00). Postpaid.

**The Tom Watson Watermelon.**—The Tom Watson has for the last two seasons been the most popular Melon in the South, particularly in Florida. Its shape is similar to the Kleckley Sweet, but the color is a lighter green. Its great merit is in its earliness, good flavor, thin rind, and good keeping qualities, making it one of the best of shippers. If it is so popular in the South, it should be tried here. It may prove a money-maker. Price per (pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 60c) (lb. \$2.00) (5 lbs. \$9.00). Postpaid.

**Halbert Honey.**—A very sweet, long, dark green variety. Fruits average 18 to 20 inches long, have a thin rind and deep red meat of delightfully delicious flavor; pulp entirely free from stringiness; seeds white. One of the finest for the home garden. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00). Postpaid.

**Fordhook.**—The Fordhook is one of the very earliest varieties, and a great favorite in Eastern markets. It grows to perfection in Southern California, but its chief merit is its earliness. It is about the size of the well known Chilean, with a light mottled green color. Price per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 40c) (lb. \$1.50) (5 lbs. \$6.75). Postpaid.

**Citron, Large Green Striped.**—Weighing from thirty to sixty pounds. Is better than pumpkin for stock. Allowed to lay in the field or piled in the barnyard will not be damaged by frost nor decay until the following summer. Price (pkt. 5c) ( $\frac{1}{4}$  lb. 20c) (lb. 50c).

**Citron, Red Seed.**—Small dark rind round melon, used for jam and preserving. It has an excellent flavor. Price (pkt. 5c) (oz. 10c) (lb. \$1.00).

**Citron, Thasma.**—A small prolific variety, valuable for stock. Price (pkt. 5c) (oz. 10c) (lb. 75c). Plant all your melon seed with our Segment Corn Planter.

## Mustard

**Black or Brown.**—Per (pkt. 5c) (oz. 10c) (lb. 40c). Postpaid.

**White.**—Better for salad or culinary purposes. (Pkt. 5c) (oz. 10c) (lb. 40c). Postpaid.

**Southern Giant Curled.**—The true curled-leaf variety so popular in the South for planting in the fall, to furnish an early spring salad. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c) (lb. 75c). Postpaid.



Chinese Mustard

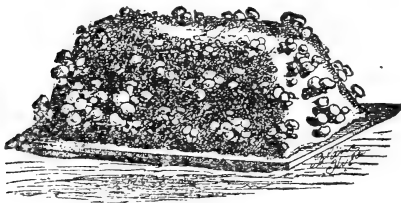
**Ostrich Plume Mustard** is delicious as well as ornamental, as the picture shows the leaves to resemble ostrich plumes, hence the name. (Pkt. 5c) (oz. 10c) (lb. 90c) Postpaid.

**Chinese White Mustard.**—This is a delicious vegetable and flavors strongly of Brussels Sprouts, being less pungent than the American varieties. It is greatly relished by the Orientals, and can be seen all the year round at vegetable stands kept by the Japanese and Chinese. Price per (pkt. 10c) (oz. 25c) (¼ lb. 75c) (lb. \$2.50). Postpaid.

**China Green Mustard.**—This is an Oriental vegetable and like the White Mustard, is grown all the year round, but like our American Spinach, thrives best in the winter season. Great quantities of it is dried and used for medicinal purposes. Price (pkt. 10c) (oz. 35c) (¼ lb. \$1.00) (lb. \$3.50). Postpaid.

## Mushrooms

One of the most profitable crops for the outlay that can be grown. The market is sure, because the supply never equals the demand. Mushrooms can be grown in any dark room or cellar where the temperature can be kept at 50 to 75 degrees. From some old pasture, procure good rich soil and store it away. To every bushel of this add two bushels of fresh horse manure. Of this well mixed compound



Mushrooms

prepare a bed, say four feet wide. Put down a thin layer and pound it down hard, and so on until the bed is 12 to 18 inches thick. It soon becomes pretty hot, but let the heat recede until it is only 85 to 90 degrees. Then make holes, say a foot apart, and put in the spawn, two or three pieces as large as a walnut to each hole. Cover the holes and press the soil solid and smooth. Let the bed remain in this condition about 12 days; then cover the bed with 2 inches of fresh loam, and over this put 4 or 5 inches of hay or straw, and the work is done. If the temperature is right, in six or eight weeks you may expect mushrooms. The beds will continue bearing from 20 to 30 days. After the first crop is gathered, spread over the bed an inch of fresh soil, moisten with warm water and cover with hay as before. The main conditions in mushroom growing are proper and uniform temperature and very rich soil. One pound of spawn is sufficient for a bed 2x8 feet. We have the very best spawn on the market.

**Pure Culture Spawn.**—Put up in bricks. Per brick 25c; by mail 35c.

### MARTYNIA

**Martynia, or "Unicorn Plant."**—The Martynia, or Unicorn Plant, is quite ornamental in growth, and bears large pyramidal spikes of Gloxinia-like flowers followed by hairy seed-pods of a peculiar shape. These pods are gathered while young and tender, and pickled. (Pkt. 10c) (oz. 30c).

## Onions

**Culture.**—No crop is liable to variations by cultivation and soil as the Onion. Having rich soil with too much irrigation will produce thick-neck scallions, while the same soil well drained would produce the finest Onions. A sandy loam well fertilized is best.

Either drill the seed thinly in rows fourteen inches apart, or sow the seed in seed beds, and when the plant is as thick as a pencil, transplant on ridges about six inches high and eighteen inches apart; set two rows on each ridge and four inches apart in the row.

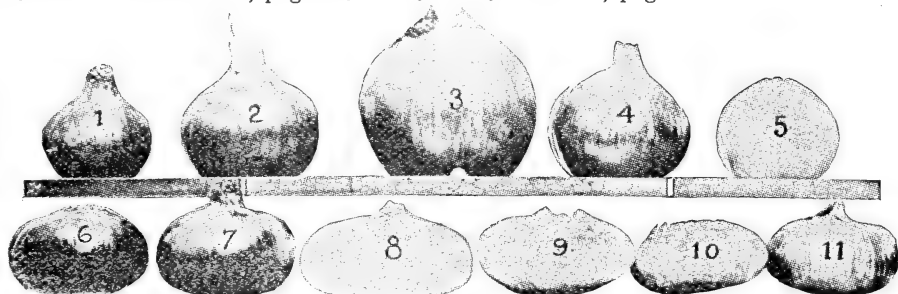
Irrigate in the furrow between the ridges to avoid flooding the Onion, which causes the Onion to perish readily, rendering it unfit to ship or to keep.

The Bermuda Onion thrives well and grows to perfection on the desert during the winter season. But nearer the coast, while it grows to perfection when planted in January and February, it is a waste of energy to plant it in the fall. From India to Calexico the Bermuda Onion is a success, but along the coast should be planted only after January.

### CALIFORNIA LEADS THE WORLD GROWING LARGE ONIONS

But some varieties are better suited to certain localities and soils than others. We have carefully studied these conditions and invite those who wish to grow Onions and are yet unfamiliar with the conditions, to write us before selecting their seed. The following cut shows comparative sizes:

See White Australian, page 10. See Giant Gibraltar, page 10.



- |                          |                         |                  |
|--------------------------|-------------------------|------------------|
| 1 Ohio Yellow Globe      | 5 Southport White Globe | 9 New Queen      |
| 2 Australian Brown Globe | 6 Australian Brown Flat | 10 White Bermuda |
| 3 Prizetaker             | 7 Red Weathersfield     | 11 Red Bermuda   |
| 4 Yellow Globe Danver    | 8 White Portugal        |                  |

**Ohio Yellow Globe.**—Its main points of excellence are: Distinct and attractive shape, handsome, bright, even color; ripens early and all at once; necks very small, and cure down to almost nothing. The firm, solid bulbs are excellent winter keepers, and all that can be desired in size and quality. This is a superb Onion for all classes of soil. (Pkt. 5c) (oz. 25c) ( $\frac{1}{4}$  lb. 70c) (lb. \$2.00). Postpaid.

**Australian Brown Globe Onion.**—Quick to mature; a long keeper; solid and heavy; an excellent Onion for shipping. The bulbs are perfectly globe shaped. The skin is a light brown. Their solidity gives them great weight and a bushel weighs several pounds heavier than a bushel of American varieties. The Onions are thin-necked and ripen very early in all soils. As the plant makes a very quick growth it matures the bulbs before the hot, dry summer weather sets in, and this in connection with its exceptional keeping qualities makes it a most profitable variety. (Pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 50c) (lb. \$1.75). Postpaid.

**Prizetaker, the handsomest, largest Yellow Globe Onion.**—An excellent keeper, of finest flavor, handsome shape and enormous size, many single Onions having been raised to weigh five pounds and over from seed the first year. It is of the same type as those immense imported Onions which can be seen in fruit stores and always commands a very high price. The Prizetaker grows always to a perfect globe shape, with a bright straw colored skin. (Pkt. 5c) (oz. 20c) ( $\frac{1}{4}$  lb. 60c) (lb. \$2.00) (5 lbs. \$9.00). Postpaid.

**Yellow Globe Danvers.**—This Onion is the standard winter sort in many markets. The shape is almost globe form and the bulbs are quite large with thin necks, ripening down well. The skin is a fine brown, orange yellow, while the flesh is pure white, solid and of good quality. Its earliness makes it valuable for market. The crop is very uniform and ripens at one time. Per (pkt. 5c) (oz. 20c) ( $\frac{1}{4}$  lb. 60c) (lb. \$2.50). Postpaid.

**Southport White Globe.**—It is silvery white in color, globe shaped in form, flesh of delicious flavor and a fine keeper. The very best variety to grow for bunch Onions. Per (pkt. 5c) (oz. 25c) ( $\frac{1}{4}$  lb. 90c) (lb. \$3.00). Postpaid.



### Crystal Wax Onion

**Australian Brown Flat.**—Is undoubtedly desired more by shippers because of its good keeping qualities than any other variety. It has not proven so profitable to growers because its habits are less understood. On account of improper culture the average crop has been below the normal crop of other varieties, but when grown on rich sandy soil, with sufficient water, it will produce more pounds per acre than the Prizetaker. It is a good Onion and has come to stay. **Per (pkt. 5c) (oz. 20c) (¼ lb. 50c) (lb. \$1.50). Postpaid.**

**Large Red Wethersfield Onion.**—For general purposes, the country over, no red variety is more largely grown. The largest, most uniform, heaviest yielder and one of the best keeping of all red Onions. This is a standard red variety. Large size; skin deep purplish red; form round, somewhat flattened; flesh purplish-white. We recommend it as a general cropper and a variety that will do well anywhere that large Onions can be grown. Yields enormous crops. **Per (pkt. 5c) (oz. 20c) (¼ lb. 60c) (1 lb. \$2.00). Postpaid.**

**White Portugal, or Silver Skin.**—The large bulbs are attractive form, flattened, but quite thick through. Under good cultivation the average diameter is from four to six inches. The thin skin is a clear silvery white, flesh snow-white, sweet and tender. They grow quickly, mature quite early. **Price per (pkt. 5c) (oz. 30c) (¼ lb. 90c) (lb. \$3.00). Postpaid.**

**New Queen.**—Very similar to the Crystal Wax in appearance, but not as early as the Bermuda, but better adapted to the coast climate. For years it has been our best early Onion. Our seed is imported from France, because imported seed matures earlier than California grown. **Per (pkt. 5c) (oz. 25c) (¼ lb. 75c) (lb. \$2.25). Postpaid.**

**White Bermuda Onion.**—This is the standard variety for market crops for shipping. While it is known as "White Bermuda," the name is misleading, as it is really a light straw color or pale yellow. We make this explanation, as many who grow it for the first time expect to find a pure white onion. Less than six months required from the time of sowing the seed to the full maturity and shipment of the crop. **Per (pkt. 10c) (oz. 25c) (¼ lb. 90c) (lb. \$3.00). Postpaid.**

**Red Bermuda Onion.**—It is identical in size, shape and mildness with our White Bermuda. The color is a pale waxy red, and it is just the right variety in all sections where a red Onion is preferred. **Per (pkt. 10c) (oz. 40c) (¼ lb. \$1.00) (lb. \$3.00). Postpaid.**

**Mammoth Silver King.**—Very large, white, flat Onion, medium early. An excellent variety to grow for bunching. **Price per (pkt. 5c) (oz. 20c) (¼ lb. 60c) (lb. \$2.00). Postpaid.**

## Onion Sets

**Australian Brown, Yellow Danver, White Pearl and Silverskin.**—**Per (lb. 20c) (by mail per lb. 30c) (100 lbs. market price).**

The earliest Onions are grown from sets planted in August and September. This brings them into the market in February and March, when prices are highest. About 250 pounds of sets will plant one acre, or four pounds of seed is required.

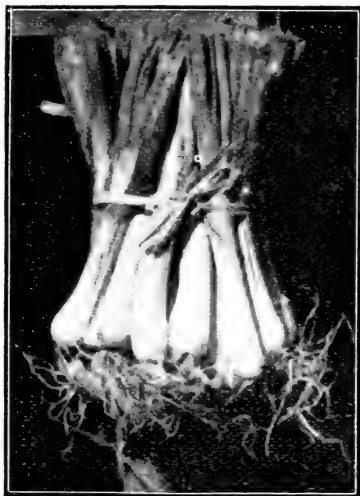
We are headquarters for the finest sets that are grown anywhere in the world. Our sets are grown without rain or irrigation, which insures their keeping qualities. Our sets are worth at least two cents per pound more than sets offered by other growers, because they average much smaller in size.

We claim our Onion Seed to be of the highest class as to germination and purity of type. When you wish to plant onions consult us as to when, how and what variety to plant.

## ONIONS—Continued

**Crystal Wax.**—This best and earliest of all white Onions was little known until recent years, when the seed was imported from the Canary Islands along with the White Bermuda. It found a congenial climate and it now excels all our other white varieties for earliness. Plant the seed any time, Oct. 1st to Feb. 1st, according to the instructions above. **Price (pkt. 10c) (oz. 70c) (¼ lb. \$1.50).**

## ONIONS---Continued



## Bunch Onions

**White Velvet.**—This well known variety is the favorite with the market gardener and with the consumer. The pickle factories will have no other. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (1 lb. 60c). Postpaid.

**Dwarf Green Prolific or Density.**—A distinct variety, growing about 14 inches in height. Very productive, of fine smooth pods. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (1 lb. 60c). Postpaid.

**Mammoth Long Podded.**—Very productive, and is a good variety for the family garden. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (1 lb. 60c). Postpaid.

The White Velvet Okra is the universal favorite.

**Culture.**—Plant in April, cultivate same as Eggplant. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 60c). Postpaid.



## Extra Curled Parsley

**Extra Curled.**—Leaves tender, beautifully crimped; handsome, bright green color, very ornamental. Per (pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 40c) (lb. \$1.25). Postpaid.

**Extra Double Curled.**—An old curled variety for garnishing. Per (pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 40c) (lb. 1.25). Postpaid.

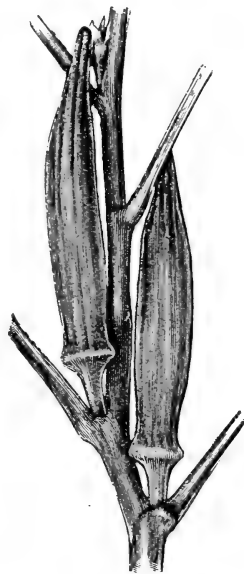
**Hamburg Turnip Rooted.**—Fleshy vegetable roots, for soups, etc. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c). Postpaid.

**Bunching Onion.**—Many think any white onion will do for a bunching onion, but this is not true. Our growers for fancy trade have learned that we have the best strain of seed for this purpose and our sales amount to thousands of pounds each year. The picture shows a sample of what our seeds produce. They are just the right shape. (Pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 60c) (1 lb. \$1.75) Postpaid.

**Garlic Sets.**—Garlic sets or bulbs are planted from September to February in rows 12 inches apart, placing the sets 4 inches apart in the rows, 2 inches deep, or in the same manner as for Multiplier Onions. Garlic is used for flavoring purposes. **Bulbs**—(Per lb. 20c) (by mail 30c) 100 lbs. market price.

**Chives.**—This specie of Onion is extensively used for flavoring. A small spot in the garden planted to Chives will supply a family the year round. Per (pkt. 10c) (plants, 1 bunch, 5c).

## Okra: Gombo



Okra

## Parsley

**Champion Moss Curled**  
Extra dark leaves. Leaves crimped and curled, giving a most beautiful decorative appearance. Per (pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 40c) (lb. \$1.25). Postpaid.

**Emerald or Dwarf Ex-**

## Parsnip

**Culture.**—Sow from September to following May in drills 15 inches apart, covering  $\frac{1}{2}$  inch deep. When well up, thin out to 5 or 6 inches in the rows. This seed is slow to germinate, hence should be sown as early as possible. Cultivate frequently. One ounce to 100 feet of row; 5 pounds to the acre.

**Devonshire.**—This Parsnip was recommended to us by our European growers four years ago. Today it is the most popular Parsnip with our market gardeners. It is scarcely more than half as long as the Hollow Crown, but it is often three inches in diameter. Tender and has an excellent flavor. Per (pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 50c) (1 lb. 1.50). Postpaid.

**Hollow Crown.**—Has long been a favorite on account of its excellent table qualities. Per (pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 50c) (1 lb. 1.25). Postpaid.

**Short Round French.**—Very desirable for early cropping. Not so tender as the longer rooted varieties. Per (pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 50c) (1 lb. 1.50). Postpaid.



Devonshire Parsnip

## Peanuts

### Write for Special Circular

California is being developed so rapidly and new orchards set out on every hand that many growers would be benefited by knowing that the peanut can be successfully raised between the rows with no injury to the trees. It being a leguminous plant and gathering numerous bacteria nodules upon the roots, it is beneficial to the soil upon which it is grown, as the roots are left in the ground at harvest time.

The old method of covering the blossoms is entirely done away with and by practical experiment it has been found that hilling up and covering the blooms was not productive of as good results as to raise the vines on the flat surface and keep down all weed growths by proper cultivation and hoeing. Special tools are used by some extensive growers, but to those who wish to try it in a small way there are no tools to buy. Plow light furrow and drop the seed, covering from two to three inches deep. Harvest with a suitable plow and handle vines with forks to free the nuts from the earth; then stack and cure.

Calves can be raised entirely on Peanut straw and there is no better food for a lot of young porkers. If properly cured and stacked away from the rain there is no better hay than the Peanut vine. Peanuts can be grown from April to November. Plant from April 15 to June 1st.

**Georgia Improved Ground Pea or Peanut.**—This variety is much superior to the ordinary Peanut, yielding fewer imperfect pods and combining earliness, productiveness and size; yield on ordinary land about 100 bushels to the acre. Per lb. 15c) (by mail 25c) (per 100 lbs. market price).

**Red Runner.**—Is an excellent variety, bearing three to four kernels to the pod. The kernels are of medium size and of good flavor. It is the favorite variety with the confectioner. Price—(Per lb. 20c) (by mail 30c) (100 lbs. \$15.00).

## Peas

Owing to Aphids and to unfavorable climatic conditions throughout all pea-growing sections, there will not be enough peas in the country to supply the ordinary demand. Many varieties will be reserved entirely for seed stock.

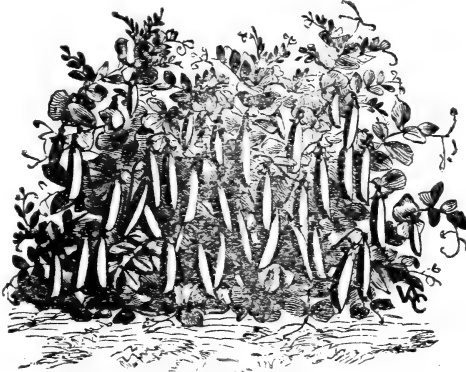
**Culture.**—May be sown in Southern California the year round. Peas mature earliest in light, rich soil, but for general crop a moderately heavy soil is best. Sow in rows from 2½ to 3 feet apart, according to the variety. Two pounds of seed will sow 100 feet of drill, 50 to 60 pounds to the acre. In the following list will be found only those varieties which are desirable in this section. When ordering by mail add 10c per pound for postage.

**Pride of Cahuenga.**—Reserved for seed stock.

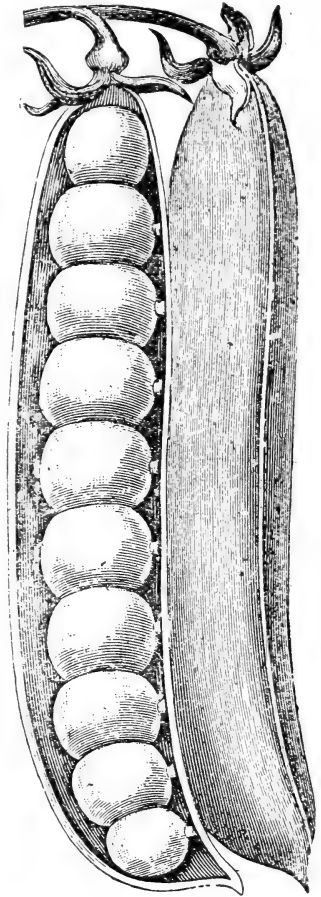
**American Wonder.**—The earliest of all wrinkled Peas. Of dwarf habit, growing from nine to eleven inches high, and producing a profusion of good sized and well-filled pods of the finest flavor. Per (pkt. 5c) (lb. 30c) (by mail 40c) (10 lbs. 2.50) (100 lbs. \$20.00).

**Nott's Excelsior.**—Although a few days later than the American Wonder, the pods will average fully one-third larger, containing 6 to 8 large Peas so closely packed together that they become flattened. Per (pkt. 5c) (lb. 30c) (by mail 40c) (10 lbs. \$2.50) (100 lbs. \$20.00).

**Yorkshire Hero.**—The most popular market Pea in this section. Abundant cropper and excellent in quality. Height 2½ feet. Per (pkt. 5c) (lb. 20c) (by mail 30c) (10 lbs. \$1.50) (100 lbs. \$12.00).



American Wonder



Yorkshire Hero

**Dwarf Gray or Sugar.**—(Edible pods.) Of extraordinary yielding qualities, and unsurpassed as an edible podded variety. Height 2 feet. Per (pkt. 5c) (lb. 25c) (by mail 35c).

**Dwarf Telephone.**—The Telephone has become the leading Pea with market gardeners whose trade appreciates fine appearance and high quality. Vines vigorous, growing about three feet high, with large, coarse, light colored leaves and producing an abundance of very large pods filled with immense Peas which are tender, sweet and of excellent flavor. It comes into use soon after the Premium Gem and is one of the best sorts for either home or market. Per (pkt. 5c) (lb. 25c) (by mail 35c) (10 lbs. \$2.50) (100 lbs. \$20.00).

**Premium Gem.**—A dwarf variety very prolific and sweet. Price—(Pkt. 5c) (lb. 30c) (by mail 40c) (10 lbs. \$2.50).

## Peppers

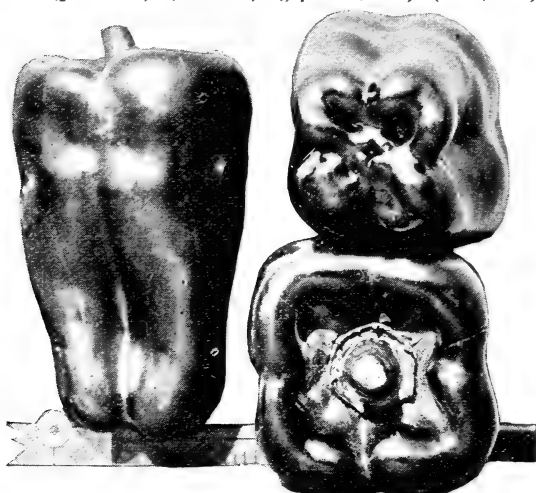
**Culture.**—Seed may be grown in seed beds all the year round, according to location. When the weather is favorable, transplant in the open ground in warm, mellow soil, in rows 30 inches apart and 18 inches apart in the rows. One ounce of seed will produce 1000 plants. Peppers require a rich, sandy loam with frequent irrigation.

**A. & M. Giant Bell.**—See novelty page 11.

**Anaheim Chili.**—See novelty page 11.

**Giant Crimson.**—See page 11.

**Chinese Giant.**—A very large Pepper of the Bull Nose type, often growing to five inches in diameter, and as much in length; excellent for mangos. It is very mild. Per (pkt. 10c) (oz. 50c) ( $\frac{1}{4}$  lb. \$1.75) (lb. \$5.00). Postpaid.



**A. & M. Perfect Ruby King**

**Price.**—(Pkt. 10c) (oz. 35c) ( $\frac{1}{4}$  lb. \$1.00) (1 lb. \$3.50). Postpaid.

**Big Bell, or Bull's Nose.**—Very large sort of inverted bell shape. Flesh thick, hard and less pungent than most other sorts, and one of the earliest; very prolific. Per (pkt. 5c) (oz. 25c) ( $\frac{1}{4}$  lb. 75c) (lb. \$2.50). Postpaid.

**Neapolitan.**—This is desirable chiefly for its earliness. It is of good size and quality, but because of its upright habit, extending the Peppers well above the plant, exposes them to frost and sunshine, whereby they are easily damaged. But for first early it is the best. Per (pkt. 10c) (oz. 40c) ( $\frac{1}{4}$  lb. \$1.25) (lb. \$4.00). Postpaid.

**Tobasco.**—The plants develop into large bushes bearing profusely the little bright peppers in sprays. A mature pepper measures about one inch in length. These peppers are extremely hot and fiery in flavor. Per (pkt. 10c) (oz. 25c).

**Dwarf Chili.**—Same as Tobasco, but twice as large. Per pkt. 10c—oz. 25c.

**Floral Gem.**—A small hot Pepper for pickling, or to use as a pot herb. Per (pkt. 5c) (oz. 25c).

**Creole, or Bird's Eye.**—A distinct variety, fruit very small, about  $\frac{3}{4}$  of an inch long and of very hot flavor. Per (pkt 5c) (oz. 25c).

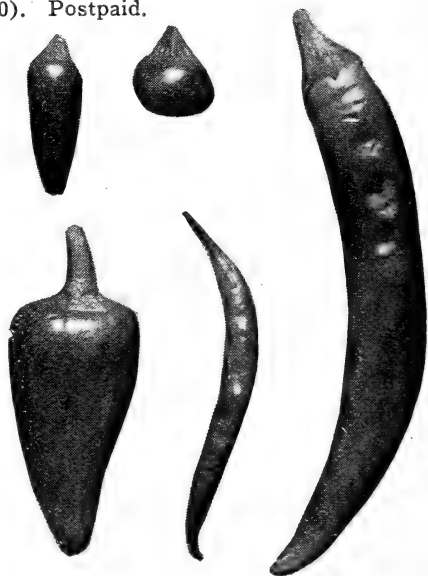
This book contains much valuable information; do not destroy it, you will need it again.

**What and when to plant.** See inside cover page.

**Red Cluster.**—A very short, heavy-set bush, almost a solid cluster of small peppers of one inch in length. Per (pkt. 10c) (oz. 30c).

**Cayenne.**—A long, slim pod, rather pointed, and when ripe a bright red color. Extremely strong and pungent. Per (pkt. 5c) (oz. 25c).

**A. & M. Perfect Ruby King.**—Of immense size and the mildest of all varieties. Ordinarily they grow from 4 to 6 inches long by 3 or 4 inches thick. Plant is of sturdy, bushy habit, and each one produces handsome fruit. This Pepper is popular because of its solid, thick meat and mild flavor. It is the best for a winter crop because it retains its shape better than other varieties. It is particularly good stuffed as a mango or with meat and rice and cooks to perfection.



**Tobasco  
Floral Gem**

**Creole  
Small Chili  
Actual Size**

**Cayenne**

## Pumpkins

**Culture.**—Plant from April to August in hills 8 feet apart each way. Pumpkins are not so particular in regard to soil as melons, but in other respects are cultivated in a similar manner. One ounce for 15 hills; one pound to an acre.

We have here pictured the leading varieties of Pumpkins, so there should be no confusion in ordering the variety you want. The seed we sell for Pie Pumpkins is from special grown stock and a higher price is asked. But common stock Pumpkin seed are bought in the open market and liable to be hybridized with other varieties, and can be used for stock, but should not be planted for other purposes.



### California Mammoth Pumpkin

**California Mammoth.**—This is the large Pumpkin so well known locally. As many as 20 tons have been taken from one acre. It not infrequently attains a weight of two hundred pounds. Per (pkt. 5c) (oz. 10c) (lb. 40c) (by mail 50c).

**Cashaw or Crookneck.**—Productive; color light cream. A good keeper; fine for pumpkin pie; sweet in flavor. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c). Postpaid.

**Tennessee Sweet Potato.**—Of medium size; creamy white, with light green stripes; flesh thick, fine grained, dry, brittle, and of excellent flavor. Unsurpassed for pies and custards. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c). Postpaid.

**Japanese Pie Pumpkin.**—Similar to the Cashaw in shape. Many consider it the best for pies. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c). Postpaid.

### Crookneck Pumpkin

**Sugar or Boston Pie.**—A small, handsome variety, and very popular. The skin is a deep orange yellow; flesh fine grained and sweet in taste. Famous in Boston as a pie Pumpkin. It sells better on our local market than any other variety, except the Jack O'Lantern at Hallowe'en time. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c). Postpaid.

**Sandwich Island.**—The most popular Pumpkin in Ventura County. It is as hardy as a citron. A good one to plant where water is scarce. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c). Postpaid.

**Mammoth Tours.**—This is an excellent Pumpkin for stock. It is very large and very prolific. It bears a Pumpkin at every other joint. It seems to thrive best on the light sandy soil near Redondo, and in the San Fernando Valley. The Pumpkin is oblong in shape and in color is yellow streaked with green. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00). Postpaid.

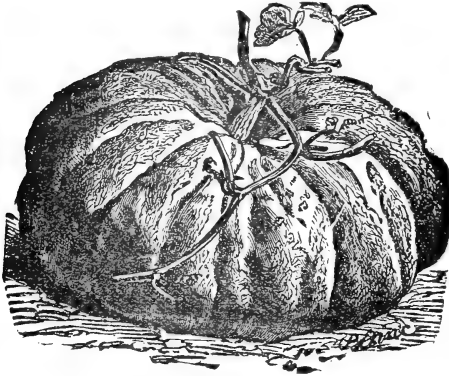


### Sugar or Boston Pie

## PUMKINS---Continued

## ESTAMPES

We have endeavored for several years to procure pure stock seed from which to grow this excellent Pumpkin. It is the heaviest Pumpkin for its size that we know of. It is the canner's favorite because of its thick, deep red flesh and fine sweet flavor. It is without exception the best for dairy stock and only the scarcity of the seed has prevented it from being more widely known. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 80c). Postpaid.

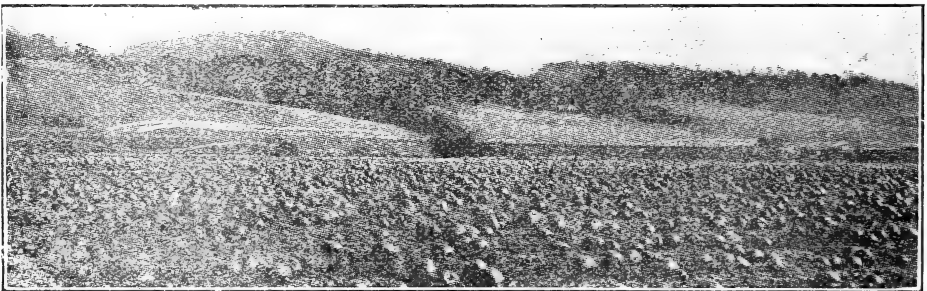


Estampes

A. P. Stone, "the Pumpkin King" of Tropico, says: "The Estampes will become the leading Pumpkin in California as soon as farmers will have become acquainted with it. One hundred pound Pumpkins are a common thing in my field. It will produce more tons to the acre than any other variety. It is the best for the dairyman and the canner prefers it to all others."

**Connecticut Field (The Jack O'Lantern).**—This valuable Pumpkin will be found a great boon to farmers with dairies, large or small. It greatly increases the flow of milk, besides imparting to it a rich color, and really adds to the flavor and the color of the butter of all cows fed upon it. Twenty tons to

the acre is no unusual yield. If the land be manured liberally a full crop can be grown among corn. It is a most excellent keeper, and will be sure wealth to all who grow and feed it liberally. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c). Postpaid.



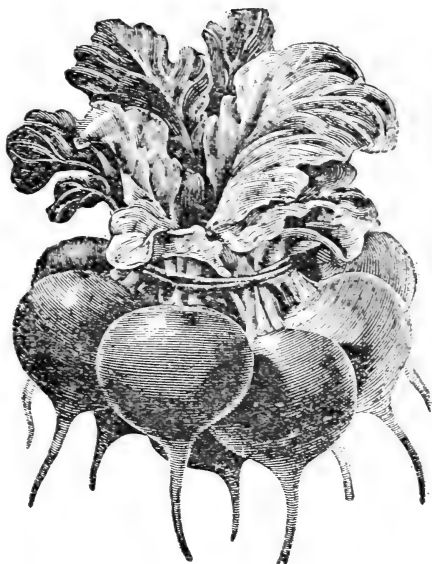
Connecticut Field or Jack O'Lantern Pumpkins

**Kentucky Field or Large Cheese.**—This variety is locally called Sweet Pumpkin, and is grown more than any other of its kind for stock, because it is a good keeper, notwithstanding it has a soft shell. It is fleshy and very sweet; also very good for pie, and is largely used for canning. Per (pkt. 5c) (oz. 10c) (lb. 40c) (by mail 50c).

**Large Green Citron or Cow Melon.**—Will grow on any sandy soil or by the road side and thrive luxuriantly without irrigation. Sam Rule says: "The more you drive over it, the meaner you treat it, the better it will yield." An excellent stock food that will keep, lying in the field, until spring. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 20c) (1 lb. 50c) (by mail 60c).

For the high standard of vegetables that appear on the Los Angeles market each morning throughout the year, much credit is due to our zeal in keeping the purest type of seed of each variety and in always offering some new vegetable particularly adapted to a certain purpose. The result is our peddlers have the best vegetables for the table use, and our shippers have always the best for their purpose. Always consult us when in doubt what to plant.

## Radishes



**Early Scarlet Turnip Radish**

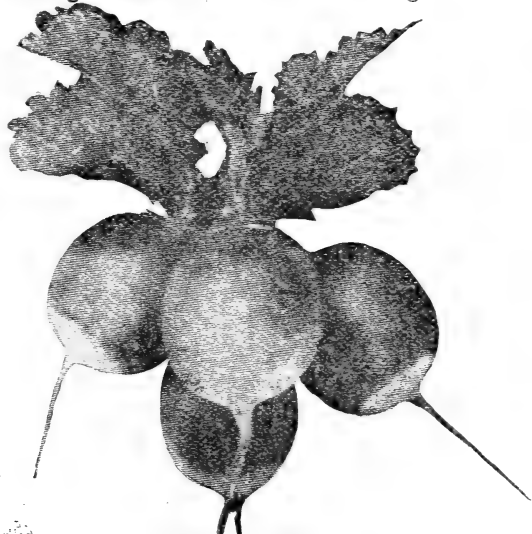
appearance. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 90c). Postpaid.

**Early White Globe.**—Grows quickly; skin very white, flesh white and crisp. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c). Postpaid.

**Charties.**—A distinct, exceedingly handsome and attractive sort; color of top is scarlet rose, shading into pure waxy white at the tip. Attains a large size before it becomes unfit for the table. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c). Postpaid.

**Early Long Scarlet.**—Very brittle and crisp; color a bright scarlet; small top. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c). Postpaid.

**Long White Icicle.**—The finest long white Radish in



**Scarlet Turnip White Tip Radish**

firm, crisp and tender. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. 1.00).

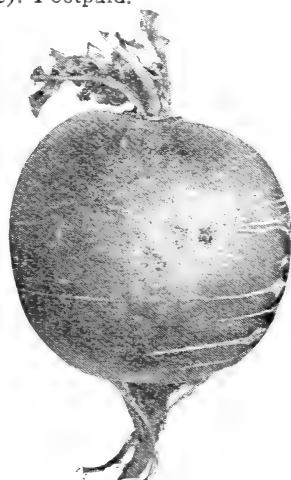
We have given special attention to Radish culture the past five seasons with the result that our turnip-shaped varieties, shall be French grown seed. Because this seed never fails to produce a true type.

**Culture.**—Seed may be sown the year round in California. Radishes thrive best in a light, sandy loam, made rich by manure. Sow in drills, 10 to 12 inches apart. An ounce of seed will sow a hundred feet of drill, ten pounds to the acre.

**Early Scarlet Turnip.**—One of the earliest and best sorts for forcing; its color is very handsome; flavor very mild, crisp and juicy; stands a great amount of heat without becoming pithy. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. 90c). Postpaid.

**French Breakfast.**—A splendid variety, medium-sized, olive-shaped. Very crisp and tender; of a beautiful scarlet color. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c). Postpaid.

**White Tipped Scarlet Turnip.**—An early variety, of medium size and excellent flavor, and of a very handsome



**Crimson Giant Radish**

cultivation. Beautiful shape. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c). Postpaid.

**Crimson Giant Turnip.**—A variety extraordinary in that, while growing to an unusually large size, it is always tender, crisp and of mild flavor. It remains in perfect condition a remarkably long time, and, unlike other forcing varieties, does not become pithy even when twice their size in diameter. Root turnip shaped; color a beautiful crimson carmine; flesh

## RADISHES—Continued

## ALL SEASONS RADISH

A new one from Japan called "Tokishir-aza," meaning all-the-year. It is a very large, long, snow-white radish; deeply rooted, does not extend above the soil like so many varieties, hence it is always tender and crisp and has a delicious flavor. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00).

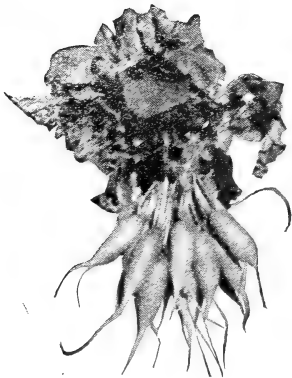
**Japanese Summer Radish.**—This Radish was introduced here by the Japanese several years ago. Its beautiful white color and mammoth size attracts great attention. It is very tender and the flavor is excellent and mild. It attains perfection in California, growing eighteen inches in length and three inches in diameter. It is a profitable Radish to grow as it sells readily and is relished by all. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00). Postpaid.

**Japanese Winter Radish.**—This was introduced in the same manner as the Japanese Summer Radish, which it resembles except in size, as you can see in the picture. It is more crisp and of better flavor in the winter season. It is pure white, grows about eight inches long and not as tapering as the larger one. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00). Postpaid.



Winter

Summer



**China Rose Winter.**—A delicious Radish, crisp, with little tendency to become pithy. A beautiful coloring from bright red at the top to almost pure white at the tip. It is a good seller and is in great demand by the vegetable peddlers. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. 90c). Postpaid.

**California Mammoth.**—Pure white; the flesh is tender and crisp, keeps well. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. 90c). Postpaid.

**Round Black Spanish.**—Skin black, flesh white, of firm texture. Per pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c). Postpaid.

**Long Black Spanish.**—A delicious, crisp, winter Radish. It sells well at the market. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c). Postpaid.

**Large White Chinese Stump Rooted.**—This is a winter Radish of deliciously sweet flavor; can be eaten as a Turnip as it is without stringency. The Chinamen use this variety exclusively. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00). Postpaid.

## MIXED RADISH

This mixture, consisting of almost every known variety of Radish, is deservedly popular throughout the country because it grows radishes suitable to each season and to every condition of soil. You are sure to have them early, medium and late. Small, medium and large. Something all the time. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) 1 lb. 75c). Postpaid.

## Horse Radish

**Common Variety, Roots**—1 Doz. 15c (by mail 20c) (100, \$1.00) (1000, \$8.00).

**New Bohemian Horse Radish.**—A valuable recent introduction of the U. S. Department of Agriculture. It is a much more rapid grower than the old variety in general use and is therefore ready for us a great deal earlier. Its large, white roots may be raised in almost any soil, and, when planted in rows, may be harvested like potatoes. The quality of this Horse Radish is far superior to the old variety in strength and piquancy. **Roots**—(Doz. 50c). Postpaid.

## Rhubarb

**Culture.**—Sow the seed early in spring in drills one foot apart, thinning out the young plants to 4 inches. Cultivate well, and in the following spring transplant into deep, rich soil from 3 to 4 feet apart. For immediate use order the roots instead of the seed as they will come into use in two months. An ounce of seed will make 500 plants.



Winter Crimson

**Winter Crimson.**—Might be more appropriately called All Seasons Rhubarb. It thrives luxuriantly all the year round, but is better during our Winter months, than in the summer. To get the best results apply large quantities of stable manure, and water freely. The seed is scarce and the price much higher than common varieties.

**Price**—(Pkt. 10c) (cz. 60c) (¼ lb. \$1.75) (1 lb. \$6.00).

### WAGNER'S GIANT WINTER CRIMSON RHUBARB

This is a new strain, propagated by Mr. J. B. Wagner, and has the same general characteristics as the Winter Crimson Rhubarb, excepting that it grows four times as large. The stalks sometimes attain a length of three feet, weighing one and one-fourth pounds. Sixty stems picked from one plant at a single picking weighed thirty pounds. We have made arrangements with Mr. J. B. Wagner to handle some of his Giant Winter Crimson Rhubarb roots this season. He has but 3000 to put on the market this year.

We are also offering seed of Wagner's Giant Winter Crimson Rhubarb that was grown by Mr. Wagner from the third generation of plants. This seed has been tested by Mr. Wagner, and will reproduce more than 70 per cent of Wagner's Giant Winter Crimson Rhubarb and about 15 per cent of Wagner's Winter Crimson, while the balance will be of ordinary varieties. The different varieties can be easily assorted before you transplant them in the field. This is the second year any of the roots or any of the seed of this new variety have been offered. Mr. Wagner wishes us to state that he confirms the above write-up in reference to this new strain of rhubarb, and that it will be of no use for anyone to write to him for seed, as he will not sell any of the seed in any other way excepting through Aggeler & Musser Seed Co.

**Price**—(Per pkt. 25c) (oz. \$1.50) (lb. \$18.00). Postpaid.

**Price**—(Per root, \$2.50) (10 roots \$20.00) (100 for \$150.00) (1000 for \$1000.00). Prepaid.

**Victoria.**—Later than the above, very large and fine. **Per pkt. 5c** (oz. 15c) (¼ lb. 50c) (lb. \$1.50). Postpaid.

**Monarch.**—The largest, and one of the best. **Per (pkt. 5c)** (oz. 15c) (¼ lb. 50c) (lb. \$1.50). Postpaid.

**Winter Crimson Roots.**—Each, 10c to 25c, according to size. Postpaid.

**Victoria Roots.**—Each, 10c to 25c, according to size. Postpaid.

We are prepared to furnish fine large roots, both of Victoria and Crimson, in large numbers. Call and see them, or write for prices.

## Squash

**Culture.**—Seed should not be planted in spring until all danger of frost is past. Plant in hills 5 feet apart for bush varieties and 6 to 8 feet apart for running sorts, putting 6 to 8 seeds to the hill, finally leaving but 3 plants. One ounce of the bush varieties for 40 hills, or of the larger seeded varieties 15 hills, 2 to 3 lbs. to the acre.



Hubbard

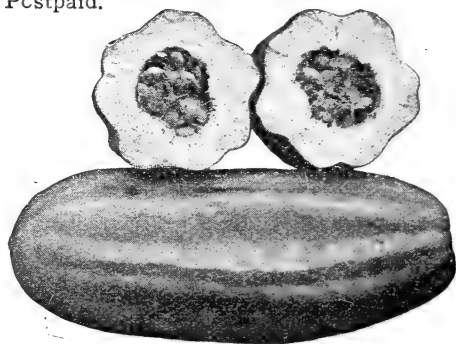
**Hubbard.**—This is the Squash that is so popular everywhere, and Southern California ships annually about forty carloads to Eastern cities. The local bakeries consume annually about one hundred tons. Our Hubbard was grown by ourselves and is guaranteed to be the best strain. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 85c). Postpaid.

**Burpee's Fordhook Squash.**—This is a most desirable running variety, for either summer or winter use. The vines are of strong, vigorous growth and wonderfully productive. Fruits oblong in form, eight to ten inches in length, slightly ridged; smooth, thin, yellowish skin; flesh very thick and of a light straw yellow. If gathered young for cooking, no other Squash approaches it in flavor, while if allowed to ripen on the vine they can be stored and will keep in excellent condition until late the following June. Either for baking like sweet potatoes, or making pies during the winter, the quality is very fine. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 80c). Postpaid.

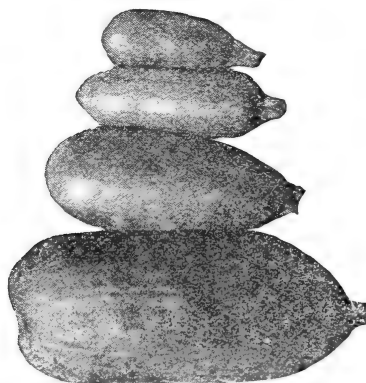
**Golden Hubbard.**—The flesh is of a deep golden yellow—a much richer color than the Hubbard—fine grained, cooks very dry, and is of excellent flavor. In its keeping qualities it is fully equal to, while in productiveness it excels, the old variety. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 85c). Postpaid.

**Pike's Peak or Sibley.**—An excellent winter Squash. Fine grained and superior in flavor and keeping qualities to the Hubbard Squash, but not so well known. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 85c). Postpaid.

**English Cream Marrow.**—It is the finest thing in the Squash line. It is sweet as a sweet potato, and has none of that pumpkin flavor. It is good any way it comes on the table and beats Hubbard for pie. It is 6 to 8 inches long and half as thick. (See picture.) Decidedly firm. It will keep from one season to another. Per (pkt. 10c) (oz. 20c) ( $\frac{1}{4}$  lb. 60c) (lb. \$1.50). Postpaid.



English Cream Marrow



Italian Squash

**Italian Squash.**—Is a bush variety, and should be planted five feet apart. It should be used when quite young. When stewed it has a rich, creamy flavor not equalled by any other squash. Some gardeners have made considerable money making a specialty of it. For the family garden we would recommend its use instead of the small white bush scallop, because of the excellent flavor and it is much more prolific. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00). Postpaid.

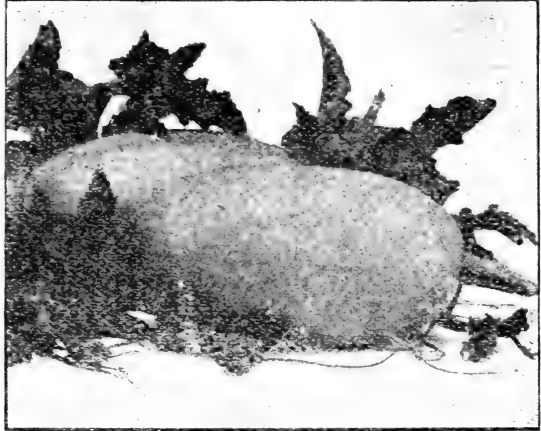
**The Faxon.**—One of the most reliable. Not excelled for table use or as a keeper. Outside color varies from green to orange. The flesh is rich, dry and sweet. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 80c).

**Delectata.**—A delicious squash that merits more general use. Price—(Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c).

## SQUASH—Continued

### Mexican Banana

**Mexican Banana.**—The squashes grow from one and one-half to two feet in length, with a slight neck at the stem end. The skin is of a dark olive-green, with slight stripes of a lighter tinge. Flesh firm and solid, of beautiful orange-yellow and excellent quality. Mr. E. L. Van Ripper says it is the sweetest of all squashes and wishes everyone to try it. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00). Postpaid.



**Long White Marrow.**—This is exceedingly delicious as well as the most prolific of all English Marrows. Steamed when quite young or fried as egg plant it is equal to egg plant itself. The Squash is about twelve inches long when mature and a light creamy color. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 50c) (lb. \$1.50). Postpaid.

**Essex Hybrid, or Turban.**—An early, quick-growing variety, with very hard shell. Is broad, with large neck or "Turk's Cap" at blossom end. (Pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 20c) (lb. 65c). Postpaid.



### Long White Marrow

**A. & M. Improved White Bush Scallop.**—As will be seen by the picture this Squash is similar to the well known White Bush Scallop, but it is more elongated toward the blossom, which makes it more desirable from the gardeners' point of view. It looks better and sells more readily. It is very prolific. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00). Postpaid.

**Golden Bush Scallop.**—Similar to the above, but a golden yellow color. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c). Postpaid.

**Golden Summer Crookneck.**—The popular well-known Crookneck. Per

**A. & M. Improved White Bush Scallop**  
(pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c) (lb. 75c). Postpaid.

**Boston Marrow.**—Flesh, bright orange or rich salmon color; for sweetness and excellence unsurpassed. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 80c). Postpaid.

## Salsify

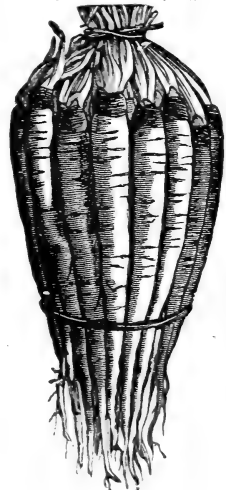
**Culture.**—Sow the seed early in the spring in drills one foot apart and one inch deep, thinning out plants to four inches. It succeeds best in light, well-enriched soil. One ounce of seed for 50 feet of drill.

**Long White.**—Favorite market variety and the best flavored. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00). Postpaid.

**Mammoth Sandwich Island.**—A larger and superior variety. Mild and delicately flavored. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 35c) (lb. \$1.25). Postpaid.

## Sorrel

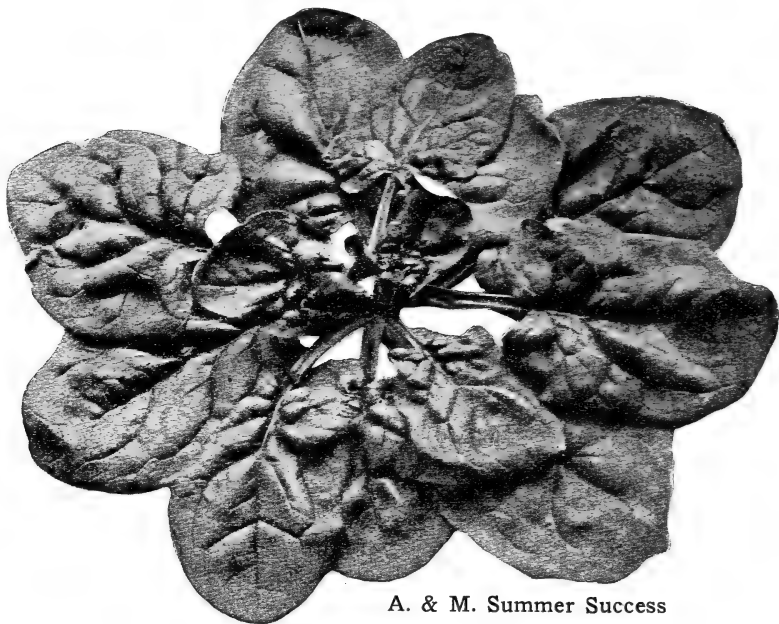
**Broad Leaved.**—This is the best variety. Per (pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 35c) (lb. \$1.25). Postpaid.



Salsify

## Spinach

**Culture.**—Sow in drills, one foot apart, and for succession every two weeks; as it grows, thin out for use, keeping clean of weeds. It grows the year round in California. One ounce of seed for 100 feet of drill; 10 lbs. to an acre.



**A. & M. Summer Success**

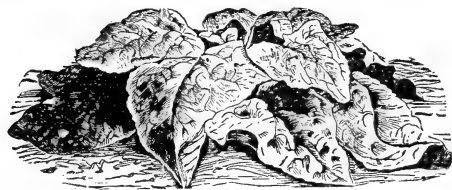
**A. & M. Summer Success.**—For several years we have endeavored to secure a type of Spinach that would prove profitable to grow in summer time and after several trials this one proved the greatest success. With moist, loamy or peat land the A. & M. Summer Success will grow leaves fourteen inches long. The leaves are very meaty and crisp. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 20c) (lb. 60c). Postpaid.

**Prickly Seeded, or Winter Spinach.**—This variety thrives best in the coldest weather, and is the money-maker for the market gardener. Our seed is imported from Holland, and for ten years has given entire satisfaction. The leaves are large, fleshly and very tender. Per (pkt. 5c) (oz. 10c) (lb. 40c). Postpaid.

**Round Summer.**—Leaves thick and fleshy, not as large as the winter variety, but better for summer growing in damp land. Per (pkt. 5c) (oz. 10c) (lb. 50c). Postpaid.

**Improved Thick-Leaf Variety.**—Leaves are very thick and large, but coarse. Better for winter growing. Per (pkt. 5c) (oz. 10c) (lb. 50c). Postpaid.

**Long Standing.**—This is a good sort for market gardeners because it is slow to shoot to seed, and the quality is equal to the best winter variety. Per (pkt. 5c) (oz. 10c) (lb. 35c). Postpaid.



**New Zealand**

### NEW ZEALAND

This variety, although not new, is little known. Every home garden should have a small plot to New Zealand Spinach. It is easily grown and remains green and tender the year round, even during the hot summer months. For table use it is quite equal to the common Spinach. The market gardener would have a source of income all the year with one-half acre planted to these excellent greens.

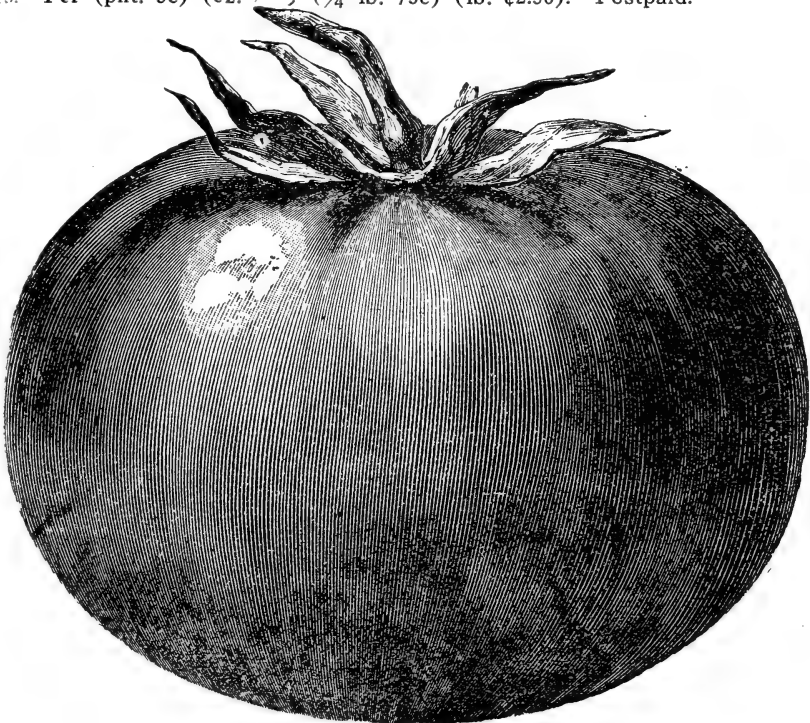
One ounce of seed would plant a plot large enough for a family garden. Five pounds will plant one-half acre. Per (pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 35c) (lb. \$1.00). Postpaid.

## Tomatoes

**Culture**—Tomatoes do best on light warm, not over-rich soil, and success depends upon securing a rapid, vigorous and unchecked growth during the early part of the season. Sow in hot-beds from 6 to 8 weeks before they can be set out of doors, which is when danger from frost is past. Transplant carefully and cultivate well as long as the vines will permit. In order to have Tomatoes the greater part of the year, plant different varieties in the following order: Stone Tomato from March to August; A. & M. First Early all the year round. Unless frost and excessive rains kill your vines you will have ripe Tomatoes all the year. Tomato-growing in Southern California ranks equally with cabbage and celery. While a large percentage are shipped to Eastern cities, most of them are used by our local canneries. Before purchasing your seed always secure our advice as to the variety, stating whether for shipment, canning, or for the local market.

**A. & M. First Early**.—See novelty page 13.

**Acme**.—The fruit of the Acme is a bright pink color, is medium sized, smooth and solid; probably the best of all for shipping. It is a great favorite in the Southern States. Per (pkt. 5c) (oz. 25c) (¼ lb. 75c) (lb. \$2.50). Postpaid.



The Boulder

**Dwarf Champion**.—Has long been a mid-summer Tomato. Pink in color, smooth and solid, making it a good shipping variety. This has proven very satisfactory in Arizona. Per (pkt. 5c) (oz. 25c) (¼ lb. 75c) (lb. \$2.50). Postpaid.

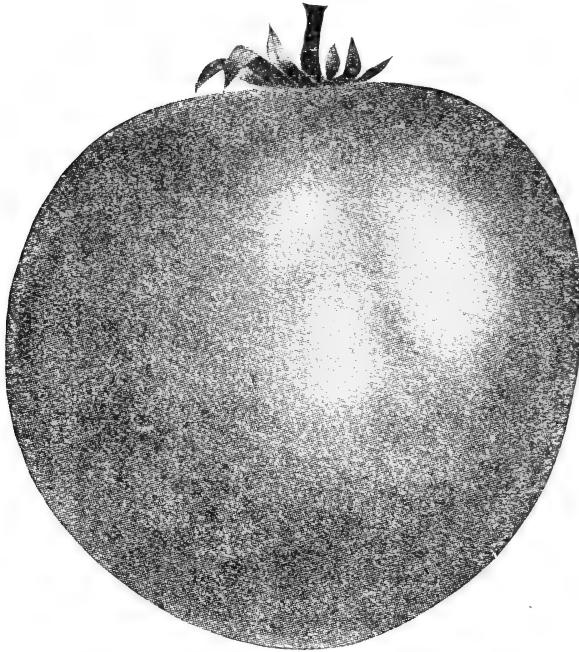
**Dwarf Stone**.—This Tomato is bright red, solid, smooth and a good shipper. The fruit is in all respects like the Stone, while the vine is dwarf and the foliage dense like the Dwarf Champion. Per (pkt. 5c) (oz. 25c) (¼ lb. 75c) (lb. \$2.50). Postpaid.

**The Boulder**.—Grown side by side with the Stone, the only difference is the enormous size of the fruit. We have received numerous testimonials praising it, none unfavorable. Mr. S. J. Murdock of Westminster says of it: "I never saw anything to approach it in productiveness and all round good qualities." Per (pkt. 10c) (oz. 50c) (¼ lb. \$1.25) (lb. \$4.00). Postpaid.

**Livingston's Globe**.—Similar to the Hummer Globe, except its pink color. This tomato is grown largely in the South and in Old Mexico, by early shippers, but is not favored on the Los Angeles market because of its pink color. Per (pkt. 10c) (oz. 40c) (¼ lb. \$1.25) (lb. \$4.00). Postpaid.

**Magnus**.—A good pink tomato, smooth and solid. Grown largely for early shipment. Per (pkt. 10c) (oz. 35c) (¼ lb. \$1.00) (lb. \$3.50).

## TOMATOES---Continued



The Hummer Globe

**HUMMER GLOBE**

We consider this one of the finest tomatoes for the market gardener. It is early, solid, smooth, good size, bright red, and enormously prolific with abundant foliage to protect the fruit from scalding. As a shipper it cannot be excelled, even by the popular Stone tomato.

Price—(Pkt. 10c) (oz. 40c) ( $\frac{1}{4}$  lb. \$1.00) (lb. \$3.00). Postpaid.

**Earliana.**—The plants are quite hardy, with rather slender branches and moderate growth, well set with fruits, nearly all of which ripen extremely early in the season. The Tomatoes are bright red and close together in clusters of five to eight; all of medium size, averaging  $2\frac{1}{2}$  inches in diameter. Per (pkt. 5c) (oz. 25c) ( $\frac{1}{4}$  lb. 75c) (lb. \$2.50). Postpaid.

**Success Tomato.**—This variety has proven a success indeed. It has been pronounced by several growers to be better than the Stone. They are better for the canneries, having less tartness than the Stone and less seed. From the several testimonials we have, we heartily recommend the Success Tomato. Per (pkt. 5c) (oz. 25c) ( $\frac{1}{4}$  lb. 75c) (lb. \$2.50). Postpaid.

**Stone.**—This is the most popular Tomato in Southern California. Fully one thousand acres are planted to this variety exclusively for shipping to Eastern points after other Tomatoes have been destroyed by frost. For this purpose the seed is planted about June 15th, and the Tomato brought to full size about October 1st, after which it gradually ripens as wanted for shipping. The Tomato is of good size, bright red, solid and smooth, enormously productive. Our seed was grown apart from any other variety and we confidently say no more perfect field of Stone Tomatoes ever grew anywhere than the field from which our seed was taken. Per (pkt. 5c) (oz. 25c) ( $\frac{1}{4}$  lb. 75c) (lb. \$2.50). Postpaid.

**Chalk's Early Jewel.**—The ripe Tomatoes are of a brilliant scarlet color, free from rot, and do not crack open in hot weather, if picked as fast as they are ready for market. Per (pkt. 5c) (oz. 25c) ( $\frac{1}{4}$  lb. 75c) (lb. \$2.50). Postpaid.

**Ponderosa.**—A very large pink Tomato of excellent flavor, almost solid, having very small seed cavity. A favorite in family gardens, but too soft to can or ship. Per (pkt. 5c) (oz. 35c) ( $\frac{1}{4}$  lb. \$1.00) (lb. \$3.50). Postpaid.

**Beefsteak.**—One of the largest of all Tomatoes, solid, meaty and delicious; a rank grower and very prolific; one of the most popular in the home garden. Per (pkt. 5c) (oz. 35c) ( $\frac{1}{4}$  lb. \$1.00) (lb. \$3.50). Postpaid.

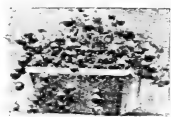
**Coreless.**—A bright red, globe Tomato; very desirable for the family garden, almost without seed or core. Per (pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. \$1.25) (lb. \$4.00). Postpaid.

**June Pink.**—Similar to Earliana except the color is pink instead of red. The foliage is about the same as the Earliana. Per (pkt. 5c) (oz. 30c) ( $\frac{1}{4}$  lb. 90c) (lb. \$3.00). Postpaid.

**Golden Beauty.**—A large yellow Tomato of delicious flavor, and when preserved with a slight flavoring of lemon, is better than preserves made of any other Tomato, because it lacks the strong Tomato flavor. It is an excellent variety for salad. Per (pkt. 5c) (oz. 35c) ( $\frac{1}{4}$  lb. \$1.00). Postpaid.

**Yellow Egg.**—Excellent for spicing and preserving. Small yellow egg-shaped Tomato of mild flavor. Per (pkt. 5c) (oz. 25c).

## TOMATOES---Continued



**Red Pear Shaped.**—Used for preserving and spicing. Per (pkt. 5c) (oz. 25c).

**Grape Tomato.**—It makes an attractive arbor vine with a profusion of delicious fruit for preserving. Per (pkt. 5c) (oz. 25c).



Grape Tomato

**Cherry Tomato.**—The fruit clusters are somewhat like the Grape Tomato, but are larger, about the size of a large cherry. Per (pkt. 5c) (oz. 50c).

**Ground Cherry.**—Grows like a Tomato; fruits like a Tomato, but the small fruit is enveloped with a husk. It is good for preserves. Per (pkt. 5c).

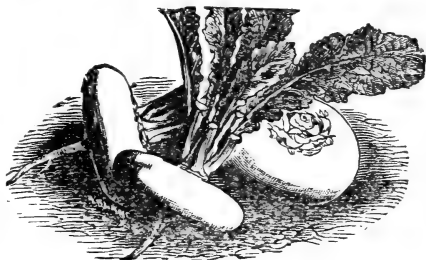
## A Tonic for Tomatoes

**Bordeaux Mixture** is a fertilizer and sure preventive of blight that does not emanate from the roots but affects the vines in the fall and after rains. Apply Bordeaux Mixture once every two weeks or oftener after the fall rains have commenced. It is non-poisonous as applied to plants. We sell Bordeaux in powdered form at 50c per one quart can. It cannot be sent by mail.

## Turnips

**Culture.**—Plant for succession from September to March in drills 14 inches apart and thin out plants to 6 inches. Turnips thrive best in a highly enriched, sandy, gravelly or light, loamy soil. One ounce to 150 feet of drill, 1½ pounds to the acre.

**Early Purple Top Strap-Leaf.**—The most popular variety in this section for either family or market use; large size, white, purple above ground; flesh fine grained. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c) (lb. 75c). Postpaid.



Early Flat Dutch

**Early White Flat Dutch.**—An early white fleshed strap-leaved variety; for quick growth, mild flavor and excellent quality. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c) (lb. 75c). Postpaid.

**Early White Globe.**—A large, round Turnip, with sweet flesh. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c) (lb. 75c). Postpaid.

**White Egg.**—Flesh white, firm, fine grained, mild and sweet. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c) (lb. 75c). Postpaid.

**Extra White Milan.**—A new early, very white variety, with purple top and strap-leaf; mild and sweet. Remains in good condition for a long time. Per (pkt. 5c) (oz. 10c) (¼ lb. 30c) (lb. 85c). Postpaid.

**Amber Globe.**—One of the best for general crop; grows to a large size; excellent for table or stock. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c) (lb. 75c). Postpaid.

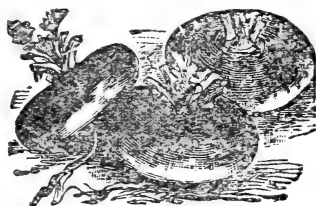
**Golden Ball or Orange Jelly.**—A rapid grower of excellent flavor; bright yellow color; good keeper and a superior table variety or for stock. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c) (lb. 75c). Postpaid.

**Improved Purple-Top Rutabaga.**—The best of the Swede Turnips. Very hardy and productive; flesh yellow, of solid texture, sweet and well flavored. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c) (lb. 60c). Postpaid.

**Purple Top Globe.**—Solid, very sweet, slow to get pithy. The very best variety for the summer season. Indeed, the best for any season, but slower to mature than the Strap-leaf. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c) (lb. 75c). Postpaid.

**Snowball.**—One of the very best. It is a pure white, globe-shaped Turnip, of recent introduction. We offered a few pounds last season with the result that we expect it to supercede all other globe varieties. Per (pkt. 5c) (oz. 15c) (¼ lb. 30c) (lb. \$1.20). Postpaid.

**14 Top Turnip.**—This is a good Turnip but prized chiefly for its tops which are cooked as greens. Also used as pasture for stock. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c) (lb. 75c). Postpaid.



Early Purple Top Strapleaf

## Grass Seed For Lawns



A Los Angeles Lawn

**Hints on Lawn Making.**—Lawn grass seed may be sown the year round in California. In making a new lawn the soil should be carefully cultivated to the depth of one foot, and prepared to the desired level, and well rolled, after which a light raking will prepare it for the seed. If the soil is poor it should be enriched with some good commercial fertilizer. Sow the seed carefully and evenly, using one pound to cover an area of 250 square feet; rake in well and roll. Water frequently with a very fine spray.

**Fertilizing the Lawn.**—To keep up the beauty of a lawn, it will be necessary to feed the grass well. You cannot expect it to retain that depth and richness of texture and color which characterizes it while young, after the elements of plant food have been exhausted.

Ask for our Lawn Fertilizer. **Price**—(5 lbs. 25c) (25 lbs. 75c) (50 lbs. \$1.25) (100 lbs. \$2.50).

**Fancy Kentucky Blue Grass.**—The purest and best lawn seed. Produces a lasting and beautiful effect. We sell only the finest quality of this seed. **Per lb. 50c—by mail 60c.**

**White Dutch Clover.**—Makes a showy effect much quicker than the Blue Grass. In conjunction with Blue Grass, however, it forms the finest and closest turf. **Per lb. 50c—by mail 60c.**

**Australian Rye Grass.**—Used by some instead of Kentucky Blue Grass. It makes a very pretty lawn, but is coarser and not permanent and must be renewed every three or four years. **Price per lb. 25c.**

**Lippia Grass.**—Similar in appearance to Clover. Very hardy; rarely needs water. It trails close to the ground, seldom needs cutting, and is almost indestructible; particularly desirable for parks, terraces and lawns in the country where water is scarce for it keeps green throughout the summer season with little water; propagated by transplanting. Sold in boxes. One box will be required to set about 300 square feet. **Per box \$1.00.**

We give particular attention to the quality of our **Lawn Grass Seed.** Our Kentucky Blue Grass and our White Clover is always tested thoroughly before purchasing.

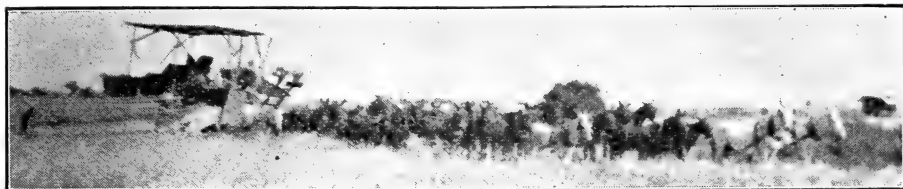
### A Perfect Lawn Mulch

Just the thing to use when starting a new lawn. It is a mild fertilizer that will not destroy the young germ. It will hold moisture like a sponge, and will not become hard or crust. You cannot fail to get a lawn the first attempt and to get it quickly, with absolutely no weeds. It is economical in both labor and cost.

One hundred pounds will cover as much area as two pounds of seed, which should be about 500 square feet. **Price, \$1.50 per hundred lbs.**

**Knoxweed** will destroy dandelion or any other weed that appears in your lawn, walks or driveway. One drop of Knoxweed on the plant will destroy it. **Price per pint can 50 cents.**

## Grain



With our up-to-date facilities for cleaning all kinds of seeds, we aim to have all field seeds as clean and free from foul seeds as it is possible to make them.

Grain and other field seeds that pass in the open market as clean will often show ten per cent or more of broken grain, foul seeds, chaff and dust. Should our prices appear higher than elsewhere, you will find upon investigation that they are cheaper, because of the purity of the seed.

### BARLEY

We aim always to have the best it is possible to procure. We cannot fix a price because of the fluctuations of the market.

Bearded Barley, Beardless Barley, and Bald Barley.

Write for prices.

### OATS.

**Texas Red (Rust Proof).**—This is the only variety that is profitable to plant here. We have on hand during the planting season.

Texas Red Oats—Grown in Texas.

Texas Red Oats—Grown in California.

Write for prices.

### WHEAT

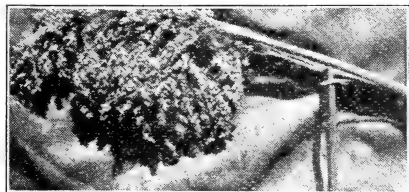
**Sonora.**—Generally grown in the interior, thirty miles or more from the Coast.

**Defiance.**—Grown almost exclusively near the Coast because it is more nearly rust-proof than any other variety.

**Durum or Macaroni.**—Highly recommended by the United States Agricultural Department because it withstands drought, and is better adapted to dry farming on mesa lands. It has proven this claim in many places in the arid sections of the country. One grower from Weld County, Colo., writes: "Not a drop of water save a slight rain did my Macaroni Wheat have, yet it yielded 48 bushels to the acre."

Price—(Per lb. 10c) (by mail 20c) (10 lbs. 75c) (20 lbs. \$1.50) (100 lbs. \$5.00).

## Egyptian Wheat



A Head of Egyptian Wheat

This is comparatively new to the United States. We have experimented with it for several years and can now offer it to our customers with some definite description of it. It is a non-saccharine fodder plant growing six to eight feet tall, heading similar to Broom Corn, heavily laden with grain similar in appearance to White Kafir, but more hard and flinty, and can be ground into a fine flour. The stalks are scarcely thicker than a pencil, but hard and strong, although succulent and sweet, with abundant foliage greatly relished by stock. It can be cut once a month during

summer season and each cutting will greatly multiply the number of stools.

Two crops of grain can be grown in one season, and after the second harvest there will be a dense growth of pasture until rendered dormant by frost.

Mr. Cutler grew an acre on his ranch near this city, and speaks in wonderful praise of it. He advises ranchers to stack the fodder alternately with green alfalfa and straw, in order to keep it wilted and succulent. This is good advice to apply on all non-saccharine fodder plants. He says the stock eat the fodder with great relish. Three pounds of seed will plant an acre.

We have only a limited supply of seed to offer. Price—(1 lb. 50c) (5 lbs. \$2.25) (10 lbs. \$4.00).

## GRAIN---Continued

## SPELTZ, (Emmer Wheat)

A grain for dry lands, introduced from Russia. This is a remarkable grain, and should receive the attention of all farmers. It is a species of drought-resisting Wheat, and not inclined to rust. It will produce a fair crop under almost any condition of climate, but grows best in dry prairie regions with hot summers, giving excellent results. Thrives on poor land or stony ground. The Experimental Stations of both the Dakotas report that it resists drought better than oats or barley. All animals eat it green greedily and are fond of the straw. Sow 70 to 80 lbs. per acre very early, same as barley or oats. Write for prices.

## RYE (Winter)

Grown extensively for early winter pasture, green manuring, and for the straw, which is valuable for many purposes.

Write for prices.

## SILVER HULL BUCKWHEAT

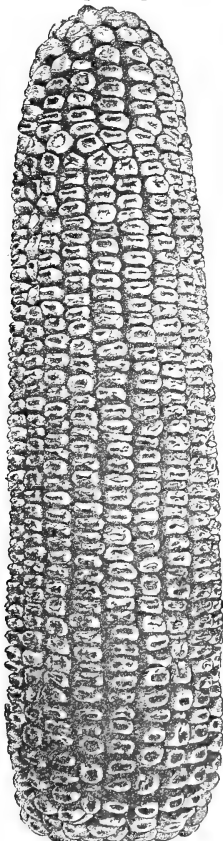
Blooms longer and matures earlier than other varieties; grain of a beautiful light gray color with very thin hull, exceptionally good for bees.

Price—(Per lb. 10c) (10 lbs. 60c) (100 lbs. \$5.00). By mail 10c per lb. extra.

## COMMON BUCKWHEAT

Used extensively in the East for green manuring. It is one of the best honey producing crops and should be sown more extensively by apiarists.

Price—(Per lb. 10c) (by mail 20c) (100 lbs. \$5.00).



## Field Corn

We are listing only those varieties that have been tried here and have proven highly satisfactory. Prices of all varieties of Eastern Corn subject to change. Price—(per 10 lbs. 50c) (25 lbs. \$1.00) (100 lbs. \$3.50).

## WHITE

Champion White Pearl .....	100	days
Wisconsin White Dent .....	110	"
Iowa Silver Mine .....	100	"
Red Cob Ensilage .....	100	"
Hickory King .....	110	"

## YELLOW

King of the Earliest .....	90	"
Pride of the North .....	90	"
Improved Leaming .....	100	"
Iowa Gold Mine .....	100	"
Golden Beauty .....	90	"
King Philip Yellow Flint .....	90	"

**Orange County Prolific.**—This white dent variety is strictly a California product and will surpass in amount of fodder or grain any other variety we ever offered. It will readily yield one hundred and ten bushels of grain to the acre; from four to nine fully developed ears to the stalk. Our seed field was the pride of all real estate boomers in that section. We have only a limited quantity; therefore it would be to your advantage to order early. Price—(10 lbs. 75c) (25 lbs. \$1.50) (100 lbs. \$5.00).

## Golden Beauty

## POP CORN

**Rice.**—Sharp pointed grain is preferred by venders of pop corn, but is not profitable to grow here at usual prices because of the devastations of the worm. **Per** (lb. 10c) (by mail 20c) (10 lbs. 75c).

**Pearl.**—This is the variety so extensively and profitably grown around Inglewood. It yields enormously and at three cents per pound is very profitable, but for several years the grower has received four cents per pound for the entire crop. Price—(Per lb. 10c) (by mail 20c) (10 lbs. 75c).

## Clovers



Alfalfa

**Alfalfa.**—Our standard clover is probably the most reliable source of income of any of our field crops. If you have horses you want Alfalfa. If you have cattle, hogs or chickens Alfalfa is the main food. You cannot ranch successfully without Alfalfa. The strong demand for Alfalfa hay is the cause of the scarcity of seed and consequent high price as compared with the price five years ago.

We always buy the best Alfalfa seed we can get, and we never buy any in which we can find the slightest trace of the following seeds: Dodder, Johnson Grass, Dock, Bermuda Grass, Morning Glory, or Buckhorn. Our success in sending out clean seed for several years past is evidence that we are experts in detecting foreign seeds in Alfalfa. You run practically no risk of getting any objectionable seed in your Alfalfa if you buy from us. Write for samples and prices, as the market is constantly changing.

Chilian or common alfalfa price on application.

**Peruvian.**—A new long-season variety for the Southwest. Its unusual rapid growth, quick recovery after cutting, and continued growth through the winter in favorable climates, results in the production of one or two more cuttings of hay each year than are yielded by the alfalfa commonly cultivated. The explanation for this is found in the difference in the location of the zero point of growth in the Peruvian and in ordinary alfalfa. The temperature at which Peruvian Alfalfa ceases to grow is about 48 degrees Fahrenheit, while that of common alfalfa is about 37 degrees Fahrenheit. It winter kills easily and hence should not be grown where the winters are severe. It is not adapted to dry farming, as it gets woody when left too long without cutting. The repeat orders and the testimonials we are receiving from those who were fortunate enough to obtain some of this seed last year is further proof of its remarkable superiority over other varieties in a mild climate. Price—Per (lb. 40c) (by mail 50c) (100 lbs. \$35.00).

**Arabian.**—We have discontinued handling Arabian Alfalfa, as it is too short-lived, dying out very rapidly after the first year.

**Turkestan.**—Is remarkable for its drought-resisting qualities.

The zero point of the Turkestan comes between the Arabian and the common variety; hence in a mild climate yields more than the common alfalfa, but will not stand the winters of a severe climate as well as the common variety. Price, (per lb. 30c) (by mail 40c). Quantity at market price.

**Burseem (Egyptian Clover).**—This is the Alfalfa of Egypt, particularly adapted to the irrigated lands along the Nile. It ought to thrive in the Imperial Valley. We have secured some of the seed from Egypt for trial here. Sow fifteen pounds per acre. Price, (per lb. 50c) (by mail 60c).

**Alsike or Swedish Clover.**—This is one of the hardiest varieties known. It is perennial and does not winter kill. It will do better on moist land than any other variety of Clover, and is suitable for either hay or pasture. When sown with other grasses, it forms a thick undergrowth and greatly increases the yield. Write for price.

**Burr Clover.**—See page 65.

H. S. King, manager of one of Mr. J. Bixby's ranches, says: "He purchased alfalfa seed from us for the past five years and during that time he planted more than six hundred acres to alfalfa and has never discovered a plant of dodder." We booked his order for more seed.

## Grasses



**Parra Grass.**—The grass for marshy land. This grass comes from Vera Cruz, Mexico, and is not propagated from seed, but from the stems that are cut off, doubled and planted where wanted. This grass was recommended to us by a large cattleman of Vera Cruz, who says of it: "The picture shows the grass at eight month's growth nearly as tall as a man. All stock relish it; it is sweet and succulent, and when established, will stand any amount of pasturing or cutting for hay. It is a sod and can be destroyed simply by turning under. It thrives best on heavy wet or damp land." We have a limited amount of the grass which we procured from Vera Cruz. It was sent us like a sheaf of wheat, wrapped in gunny, was fourteen days in transit, yet every stem took root when planted. It multiplies rapidly. The experimental patch on our trial grounds demonstrated it will withstand considerable alkali. If well watered until the latter part of June it will remain green the balance of the dry season, and if cut as late as August it stools wonderfully and grows rapidly without irrigation. With the same amount of irrigation usually given alfalfa, Parra Grass may be cut as often and may yield as much hay. There can be no better pasture for the dry season, with or without irrigation, provided it has a good start.

We offer a limited quantity at 25c for 25 stems by mail postpaid, 100 stems for 75c postpaid.

**Italian Rye Grass.**—Excellent for damp land; grows rapidly; makes good hay, but is at its best in moist, low lands. It grows continuously until allowed to run to seed. Dairymen having moist land should avail themselves of this valuable pasture. Price—(Per lb. 15c) (by mail 25c) (100 lbs. \$10.00).

**Perennial Rye Grass.**—Very similar to Italian Rye Grass, but will resist more drought. It survives the dry season and starts new growth when the rains set in. It is used extensively on mesa land, owing to its drought-resisting qualities. Price, (per lb. 15c) (by mail 25c) (100 lbs. \$10.00).

**Salt Bush (*Atriplex Semibaccatum*).**—This is the common Salt Bush; will grow on any soil, even in the strongest alkali, and will thrive luxuriantly for years without rain, absorbing its moisture from the air. Plant the seed on any waste land, and turn the place into profit. Price—(Per lb. 85c). Postpaid.

**Timothy.**—Does very well in moist land and will mature a fine crop of hay in 110 days from seed. Write for price.

**Bermuda Grass.**—Excellent for pasture meadows, but a pest on the farm or in the garden. Withstands drought and grows luxuriantly when irrigated. Sow 10 pounds per acre. Will stand more pasturing than any other grass we know of. Price, per lb \$100. Postpaid.

**Meadow Fescue**—(English Blue Grass) for pasture. Per lb. 50c.

## The Greatest Soil Renovators

The sowing of nitrogen-gathering plants for green manuring has become so popular because of the excellent results attained and because of its cheapness as a fertilizer that its use is almost universal; not only for orchards, but for fields, particularly where melons are to be planted. When in the market, write for price, as it fluctuates from day to day.

**Foenugreek for Cover Crop.**—No seed germinates more quickly, and it is not nearly as susceptible to injury from frost as peas, nor is it attacked by mildew or other diseases. Owing to the rapidity of its germination and good growth during cold weather, a good crop of herbage can be secured if planted as late as February, which makes it of special value to walnut growers.

It will thrive on any soil that will grow peas or vetch. It will mature ready to plow under three months during the coldest season of the year. Mr. W. J. Fosgate of Santa Clara says it is a wonderful soil renovator.

**White Canadian and Blue Peas.**—These excellent soil renovators are probably the best suited to our local conditions. They are hardy enough to withstand the rainy season without artificial and expensive irrigation. They absorb alkali if not too excessive. A luxuriant crop can be grown when planted after January 1st.

**Vetch.**—Probably more Vetch is now planted for a cover crop than anything else. However, it should be sown early, August or September, to secure a good growth before the cold weather of January. While it is very hardy, it requires a longer season than peas. It is a very satisfactory crop for renovating the soil, because it is a great nitrogen-gathering plant. Price on application.

**Whip-Poor-Will Cow Pea.**—This Southern Cow Pea has proven to be very satisfactory in this climate. It is a summer forage crop, or just the thing to grow in the late summer to plow under to enrich the soil for a crop of winter vegetables. Price, (per 10 lbs. \$1.00) (100 lbs. \$8.00).

**Burr Clover.**—The native Clover, and one of the best nitrogen-gathering crops and very satisfactory for orchards. There is an increasing demand for Burr Clover, and the seed is very scarce and hard to obtain. It is the very best cover crop for poor or dry land, as it needs but little moisture. Price on application.

**Broad Windsor Bean.**—Grows upright on single stem, bearing a profusion of large well-filled pods. The roots are enormously productive of nodules. We especially recommend it to hog ranchers. It withstands 28 degrees of temperature. Price, per 100 lbs., \$5.00.



Foenugreek



Vetch

**Soja Beans**—Excellent for summer forage for hogs or to plow under. 100 lbs. \$8.00.

## Millet

**German Millet.**—Produces from 4 to 5 tons of hay to the acre, and from 70 to 80 bushels of seed. Seed sown in moist land will mature a heavy crop of hay without irrigation. Yields two crops in a season. Sow 30 pounds to the acre. Price, (per lb. 10c) (10 lbs. 50c). Write for price on large quantity.

**Common Millet.**—It is an annual grass, its luxuriant leaves being very juicy and tender, are much relished by all stock. It makes a very good hay. Sow 30 pounds to the acre. Price, 10 lbs. 50c. (By mail 10c per lb. extra.) Write for price on large quantity.

**Pearl Millet or Pencilaria.**—Cannot be excelled for fodder when cut quite young when it is tender. When mature the fodder is too coarse and is injurious to stock. The grain is of little value. Price (per lb. 20c) (10 lbs. \$1.50).

**Hungarian Millet.**—It germinates readily and stands great drought. Has numerous succulent leaves, broad and over a foot in length. Furnishes an abundance of green fodder, relished by all kinds of stock. Sow 40 pounds to the acre. Price, 10 lbs. 75c—by mail 10c per lb. extra. Write for price on large quantity.

**Hog Millet.**—Grows rapidly and abundantly. Hogs pastured on Millet need no further fattening. It attains perfection anywhere in the Southwest. Price, 10 lbs. 75c—by mail 10c per lb. extra.

## Fodder Plants

**Amber Cane.**—The first thing a good California farmer will do when settling upon a new homestead is to plant Amber Cane to supply feed for his stock. Within four weeks from the time of planting he can begin to cut fodder. Dairymen find that the cows will give more and richer milk from its use, and it is claimed that as high as 10 tons of green fodder have been grown per acre. It can be cut several times during the season if not allowed to get too high, and makes a good sweet hay. Sow 60 pounds per acre for best results. Is a profitable crop also to grow for the seed, which is excellent for feeding poultry. Price, 10 lbs. 75c—by mail 10c per lb. extra.

**Milo Maize, Kaffir Corn, and Egyptian Corn** are too well known to need description. Write for prices when needed, as the price fluctuates with the market.

**Red Cob Ensilage Corn.**—Because of its profuse foliage it is one of the best varieties of corn to grow for ensilage or field pasture for cattle or hogs. Price (10 lbs. 50c) (25 lbs. \$1.00) (100 lbs. \$3.50).

**Sweet Corn.**—Is one of the best fodder crops. We always have some to offer for that purpose at a low price.

## Nitro-Culture

The introduction of Nitro-Bacteria into the soil by inoculating seed is no longer an experiment, but it is now a commercial fact. We have many customers who could not be induced to sow alfalfa without inoculating it. We can refer to numerous persons who will give it a very high recommendation.

The soil is full of air. Air is four-fifths free nitrogen. Think what limitless plant food, in the form of free nitrogen, the air contains. Right here the new discovery comes in. Plants cannot extract nitrogen from the air, but there are germs that can. These germs have been discovered and are now being used for that purpose.

These germs, when put into the soil, fasten themselves to the roots of the plants, draw the free nitrogen out of the air, and feed it to the plants.

**Method of Using.**—The bacteria are furnished dried on absorbent cotton and can be readily forwarded by mail to any section of the country. Full directions accompany each package, which no farmer can have any difficulty in following out.

When ordering always state what crop you wish to plant so that the proper bacteria will be furnished. It can be applied only to the following: Beans, Peas, Alfalfa, Vetch, Peanuts, Foenugreek, or any legume or pod-bearing plant.

(Trial package 50c) (1-acre package \$1.50) (5-acre package \$5.00) (20-acre package \$18.00) (50-acre package \$40.00).

**Special Garden Packages:** (Sweet Peas, 25c) (Garden Beans, 25c) (Garden Peas, 25c).

The sowing of nitrogen-gathering plants for green manuring has become so popular because of the excellent results attained and because of its cheapness as a fertilizer, that its use is almost universal; not only for orchards, but for fields, particularly where melons are to be planted.

To inoculate the seed with Nitrogen-Bacteria insures a luxuriant growth on poor soil and doubles your crop on any light soil.

See page 65 for nitrogen gathering plants.

## Field Crops

### COTTON

**Mehane's Triumph Big Boll Cotton.**—It is a cross between the Texas Storm-proof and the Peterkin. It is a large boll, short-pointed, prolific cotton. Price—(lb. 25c) (by mail 35c).

### THORNLESS CACTUS

If you have a piece of waste land, plant it to Thornless Cactus. During a dry season when fodder is scarce you can rely upon the Cactus. A few plants in a home garden will prove desirable for the fruit, which is considered very good. Write for price. Sold by the blade from 25c to 75c per blade according to weight.

**Russian Flax-Seed.**—Farmers should not lose sight of the fact that Flax can be raised where wheat is raised, and where tried has brought better returns for amount of labor invested than wheat. Thirty to forty pounds will sow an acre. Write for price.

**Hemp Seed.**—This is a crop that deserves more attention. The seed can be marketed with us. The fibre is in demand in eastern markets. Per (lb. 10c) (by mail 20c) (6 lbs. 50c).

**Mammoth Russian Sunflower.**—Single heads measure 15 to 22 inches in diameter, and contain an immense amount of seed, which is highly valued by all farmers and poultry breeders who have tried it as an excellent and cheap food for fowls. It is the best egg-producing food known for poultry. It can be raised cheaper than corn, and is destined to be an article of great value. Every farmer should plant some of the seed in any waste piece of ground any time from early spring up to the middle of July. Three pounds of seed will plant one acre. Price—(1 lb. 10c) (by mail 20c). Write for quantity price.

**Canary.**—This can be grown as successfully here as anywhere in the world. The only discouragement has been its great destruction by birds. Try an acre. It is profitable. Per (lb. 10c) (by mail 20c) (10 lbs. 75c).

**Rape.**—Thousands of sacks of rape are imported each year, while it grows wild in some localities near Los Angeles. It is profitable and finds a ready market. Price—(per lb. 10c) (by mail 20c) (10 lbs. 75c).

**Tobacco (Pennsylvania Broad-Leaf).**—The best variety to grow for all purposes. Leaves attain a size of 36 inches wide by 42 inches long. (Pkt. 10c) (oz. 50c).

**Improved Evergreen Broom Corn.**—This Broom Corn grows about 8 to 10 feet high, stands up well and is entirely free from crooked brush. The fibre is long and fine. Its great value is that it will not get red in the field before it is cut, but it is strictly a green variety of brush, commanding high price. It grows to perfection in all sections of Central and Southern California, back from the coast. Price—(10 lbs. \$1.00) (by mail 10c per lb. extra). Write for quantity price.

**Dwarf Evergreen Broom Corn** is more desirable than the Tall in a locality where a strong wind prevails. It is also less trouble to harvest, while the yield is nearly the same as the Tall Variety. Price—(per lb. 15c) (10 lbs. \$1.00) (by mail 10c per lb. extra). Write for quantity price. Do not buy cheap seed; it has no pedigree.

Write for special circular on Broom Corn Culture. It is free.

## Sweet Potatoes

The handling of Sweet Potatoes for seed purposes has been unsatisfactory to our customers as well as to ourselves, on account of the perishable nature of the small Sweet Potato. We have decided to list only plants of which we will have a large supply, at lowest market price.

However if you wish us to secure sweet potatoes for seed purposes we will do so at your risk, check or cash must always accompany the order, either for Sweet Potatoes or plants.

We will have plants ready about March 1st of the following varieties: Mammoth Red, Mammoth White, Georgia Yams, Yellow Jersey, Yellow Nanseum. Write for prices.

### CULINARY PLANTS AND ROOTS

By mail, add 5c for postage.

Asparagus	.....1 doz.	25c	Rhubarb	.....1 root	15c
Cabbage	.....1 doz.	10c	Sweet Potato	.....50 roots	50c
Cauliflower	.....1 doz.	15c	Mint	.....1 plant	5c
Horse Radish	.....1 doz.	15c	Tarragon	.....1 plant	10c
Pepper	.....1 doz.	25c	Chives	.....1 clump	5c

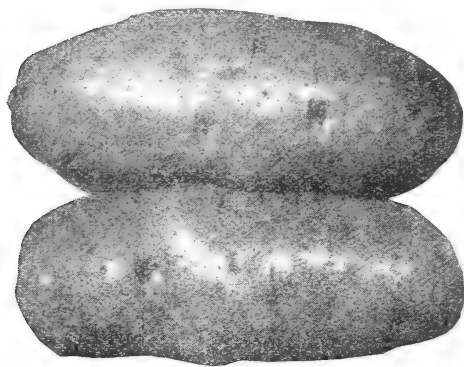
## Potatoes

We make a specialty of handling only first-class seed of all the popular varieties suited to each locality and in their proper season. If you are in doubt what variety to plant and when to plant it, write us for special information. The popular varieties are the following:

**American Wonders, Red Early Rose, White Early Rose and Burbank.**—We have already secured ten carloads of the leading varieties. This seed is superior to seed shipped from any other locality; it is never scabby, and produces better crops. write for price.

**Triumph and Quick Lunch** are the two best varieties to plant on the desert where you want a quick crop and are short of moisture.

**Early Ohio.**—Preferred by some for home garden because of their excellent quality.



American Wonder

**American Wonder.**—Although well known in the North, this Potato was unheard of in this locality until three years ago, when we introduced it here. It proved to be earlier and more profitable than the White Early Rose, and better for table use. Should you plant a few rows for your garden, or a large field for the market, you cannot make a mistake in planting the American Wonder.

L. Whitmore, of Sawtelle, says: "We planted eleven sacks of American Wonder Potatoes March 24th. In seventy-five days, less than eleven weeks, we marketed 890 thirty-pound boxes of potatoes, nearly 27,000 pounds, or 230 sacks, all from about two acres of ground."

A number of dealers in Los Angeles who could not tell the difference between the Burbank and the

American Wonder sold Burbanks last season to people who wanted American Wonders for seed. This of course misleads quite a number of people to the detriment of the American Wonder Potato.

The other varieties mentioned above have long been the leading potatoes in Southern California. We introduced the White Rose just ten years ago. It has since been the leading variety, but the American Wonder now surpasses it for yield, quality, and earliness.

**IMPORTANT NOTICE.**—Last season our attention was frequently called to the fact that many dealers in the commercial table potatoes were offering Burbank and the White Elephant potatoes for the White Rose. It is difficult for the inexperienced person to detect the difference. You cannot afford such a mistake. Buy your seed from reliable seed dealers. It is always more profitable.

### READ THIS

The foregoing pages comprise a list of all vegetables and farm seeds offered by us, all of which have been tried and proven to be adapted to climatic conditions of the Southwest and Mexico. BUT always have in mind, each season, even each month requires not only different varieties of seed but different strains of the various varieties. For instance, New York Special Lettuce is the best of all when planted from August 1st. to January 1st., but planted at other times is very inferior while Marblehead and Iceberg Lettuce are best suited to the Summer months. This applies only to the climate of the Southwest. These varieties do not grow profitably in the East. What is true of Lettuce will apply also to Potatoes, Beans, Melons, Onions and many other vegetables.

It is our knowledge of these conditions and our eagerness to impart this information through these pages that makes this catalogue more valuable to the gardener and rancher of the Southwest and Mexico than any other.

If in doubt when to plant and what to plant, see the inside of last cover page and for particular information, write us stating just what you want to know. Read pages 1 to 15.

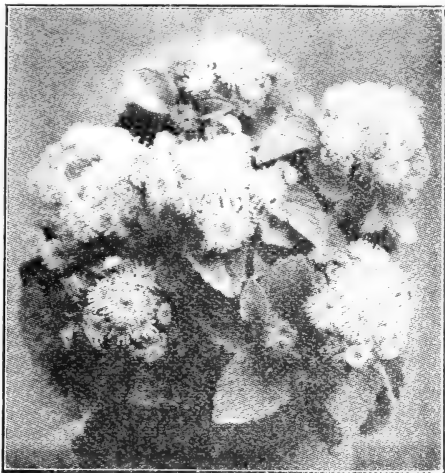
# General Descriptive List of Select Flower Seeds

## ABRONIA UMBRELLATA

Verbena-like, rose-colored flowers, elegant trailing habit, admirably adapted for rockwork or hanging baskets. **Per pkt. 5c.**

## ADONIS AESTIVALIS (Pheasant's Eye)

Showy annual of easy culture, with pretty, fine cut foliage, dark crimson flowers, lasting a long time. **Per Pkt. 5c.**



**Ageratum Little Dorrit**

## AGERATUM (Floss Flowers)

Effective bedding, half hardy annual remaining in bloom throughout the summer. The flowers of the taller sorts are much in demand for bouquets.

**Imperial Dwarf Blue.**—Habit very dwarf and compact, well adapted for ribbon borders, height 9 inches. **Per Pkt 5c.**

**Little Dorrit.**—A charming dwarf variety. The plants are compact and produce a perfect mass of blue flowers. Height, 9 inches. **Per Pkt. 5c.**

**Mexicanum.**—Well adapted for large beds. Flowers blue. Valuable for bouquets. Height, 8 inches. **Per Pkt. 5c.**

**Mexicanum Album.**—Similar to the preceding, except that the flowers are creamy white. **Per Pkt. 5c.**

## AGROSTEMMA CORONARIA

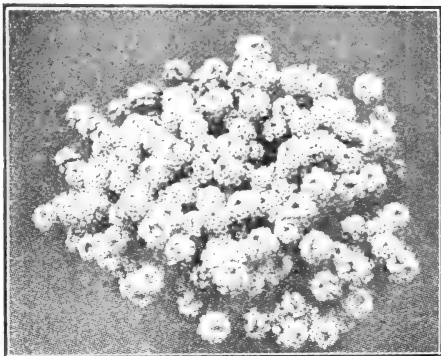
For their beauty the flowers of the common *Agrostemma*, known as *Rose Champion*, were formerly woven into garlands or crowns, hence the name *Coronaria*. Hardy Perennial, easily grown from seed. Height, 2 feet. **Per Pkt. 5c.**

## ALYSSUM

Beautiful little plants for beds, baskets edging or rock-work, blooming profusely all summer and winter.

**Sweet.**—Free blooming, hardy annual, suitable for beds and edging, flowers white. Height, 9 inches. **Per Pkt. 5c.**

**Benthami Compactum (Little Gem).**—Beautiful miniature Alyssum, growing close to the ground, with small white flowers. Invaluable for edgings. **Per Pkt. 5c.**



**Alyssum Little Gem**

**Saxatile Compactum.**—There are too few early flowering perennials, and this variety will be especially appreciated, producing as it does large masses of bright yellow flowers. Height, 6 inches. **Per Pkt. 5c.**

## AMARANTHUS

Hardy annuals, brilliantly foliaged, growing from three to four feet high, useful in border of tall plants, or in centers of large beds; thrives best in a hot, sunny location when given sufficient room to develop their full beauty.

**Caudatus (Love Lies Bleeding).**—Long drooping sprays of blood-red spikes. **Per Pkt. 5c.**

**Tricolor (Joseph's Coat).**—Rich scarlet and yellow foliage, with green and white shading. **Per Pkt. 5c.**

## AMMOBIUM ALATUM

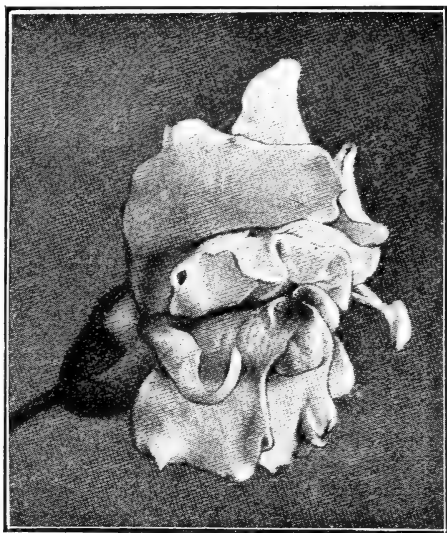
Valuable white everlasting; when fully expanded the flower has a yellow center. When sown early and treated as a hardy annual, the plants bloom freely the same year. Height, 2 feet. **Per Pkt. 5c.**

## ANTIRRHINUM (Snapdragon)

*Antirrhinum* thrive in almost any soil, and should receive more attention. It is undoubtedly one of the best cut flowers which can readily be grown from seed, while for bedding or borders they are unsurpassed.

**Antirrhinum Double White.**—Quite a new departure in the class of tall, large flowering Snapdragons is here offered. Out of the mouth-like aperture in the flowers between the upper and lower lips, emerge abnormal fantastic petals, which give a double and beard-like aspect to the very large bloom. A striking effect is produced by the long spikes covered with these beautiful white flowers when used for bedding and they will be of great value of cut flowers. **Per pkt. 15c.**

**Majus, Queen Victoria.**—Striking variety, sending up numerous long spikes of pure white flowers. Excellent for cutting. **Per Pkt. 10c.**

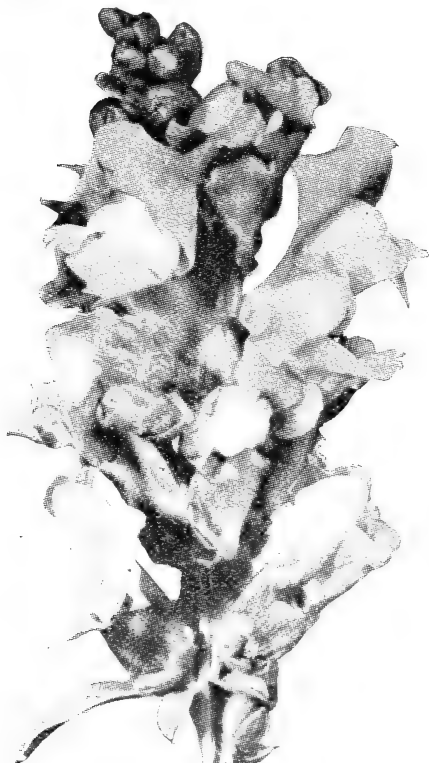
**Antirrhinum Double White**

**Majue, Fire King.**—Tall. Resplendent coloring of rich yellow and scarlet crimson. **Per Pkt. 10c.**

**Majus, Stratum.**—Tall. Spikes of beautiful striped flowers. **Per Pkt. 5c.**

**Majus, Album.**—Tall. Flowers of large size, pure white. **Per Pkt. 5c.**

**Majus, Grandiflora.**—Tall. Mixed; including all the new colors. **Per Pkt. 5c.**

**Antirrhinum Queen of the North**

**Nanum, Black Prince.**—Semi-Dwarf variety. Extremely rich color, which makes a splendid contrast with the lighter varieties. **Per Pkt. 10c.**

**Nanum, Queen of the North.**—Semi-Dwarf. An extremely beautiful pure white variety, well adapted for small beds or borders. **Per Pkt. 10c.**

**Nanum, Tom Thumb.**—Mixed. **Per Pkt. 5c.**

**Aquilega Chrysantha****AQUILEGA (Columbine)**

This pretty and interesting hardy perennial plant scarcely meets with the amount of consideration it deserves. When fully established the Aquilegas will stand frost well and the earliness and abundance of their blooms ought to render them general favorites. Many of the varieties are extremely beautiful, ranging in height from 1 to 3 feet.

**California Hybrida.**—Singularly attractive variety, with bright yellow and orange, long-spurred flowers. Height, 2 feet. **Per Pkt. 5c.**

**Coerulea.**—One of the finest varieties, pale blue and white flowers with long spurs. Height, 2 feet. **Per Pkt. 5c.**

**Glandulosa Vera.**—Very large, erect dark blue flowers, tipped white, singularly attractive. Height, 1 foot. **Per Pkt. 5c.**

**Coerulea Hybrida.**—Beautiful Hybrids, bearing large, long spurred flowers in a great variety of colors. **Per Pkt. 5c.**

**Skinneri.**—True scarlet tipped green. **Per Pkt. 5c.**

**Vulgaris.**—Double white, very fine. **Per Pkt. 5c.**

**Double.**—Mixed; all colors. **Per Pkt. 5c.**

**Single.**—Mixed, all colors. **Per Pkt. 5c.**

**ARCTOTIC (African Daisy)**

**Grandis.**—Large pearly white Marguerite-like flower, with delicate mauve center surrounded by a narrow golden band. The whole plant is covered with white down and produces a striking effect in the border. Half hardy annual, Height, 2 feet. **Per Pkt. 5c.**

**Arctotis (African Daisy)****AUSTRALIAN PEA VINE**

A rapid growing climber flowering freely in large clusters of pink and white flowers. Very attractive and desirable for covering arbors, trellises, etc.

**Pink**, changing to rose. **Per Pkt. 5c.**  
**Pure White.**—**Per Pkt. 5c.**

**ASTERS**

There is nothing more beautiful in summer and autumn than a pretty bed of Asters. They will thrive in any good soil, prepared in the same way as for a crop of vegetables, but any extra care taken in preparation of the soil is repaid by finer



**ASTER HERCULES**  
**BRILLIANT ROSE**

plants, larger blooms, with larger stems and more profuse flowering; preferring a sunny position, loamy soil, enriched with a liberal quantity of thoroughly rotted manure, also advisable to add wood ashes or air slacked lime.

For early flowering the seed should be sown early in the spring, when all danger of frost is over; for autumn flowering, the seed can be sown in August and September.

Sow your seed in pots or shallow boxes; always put plenty of drainage in either up to about one and half inches of the top; then put good rich soil to fill the balance, consisting of sand, leaf mold, and well rotted manure in a mixture of equal proportions. Then press this well and smooth, sow your seed and cover with some leaf mold. If not to be had, use loam mixed with plenty of sand to about a quarter of an inch, and when the plants have three or four leaves, transplant into a well-prepared bed, setting them 12 to 18 inches each way.

**Aster Hercules, Brilliant Rose.**—A new and very striking variety. The plant is of compact habit, varying in height from 16 to 20 inches and crowned with gigantic flowers of a lustrous rose color of unusual brilliance and of the most perfect curled and waved chrysanthemum type, measuring often 6 inches and more in diameter. For exhibition or for decoration in large vases it is unexcelled. **Per pkt. 25c.**

**Snowball.**—A splendid Aster of dwarf symmetrical habit, not more than 12 inches in height. The pure white double flowers are imbricated, of extraordinary size, and are indispensable for exhibitions. **Per Pkt. 10c.**

**Triumph.**—Excellent Paeony - flowered Aster, of Tom Thumb habit. Large incurved flowers of dark scarlet. **Per Pkt. 10c.**

**Ostrich Plume.**—Extremely graceful Aster, with large, loose feathery heads, unrivalled for table decoration, flowers double and semi-double. The branching habit makes this a conspicuous border plant. Height, 18 inches. Mixed. **Per Pkt. 10c.**

**Truffants Paeony Flowered Perfection.**—Large incurved flowers of the brightest colors. Height, 2 feet. Mixed. **Per Pkt. 10c.**

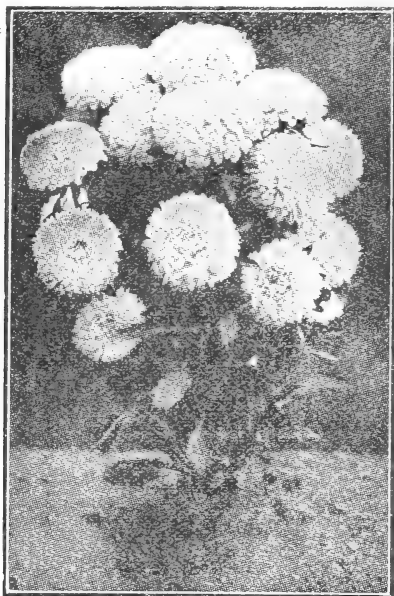
**Victoria.**—One of the finest classes for exhibition; flowers very large as the petals curve outward instead of folding in; the Victoria makes a splendid contrast to the Paeony flowered varieties. Height, 18 inches. Mixed. **Per Pkt. 10c.**

**Globe Flowered.**—Quilled flowers and branching habit. A showy class for mixed borders, large and free flowering. Height, 2 feet. Mixed. **Per Pkt. 10c.**

**Giant Hohenzollern.**—Excellent, robust class with enormous flowers of most refined shape, unsurpassed for cutting and exhibitions. Mixed. **Per Pkt. 10c.**

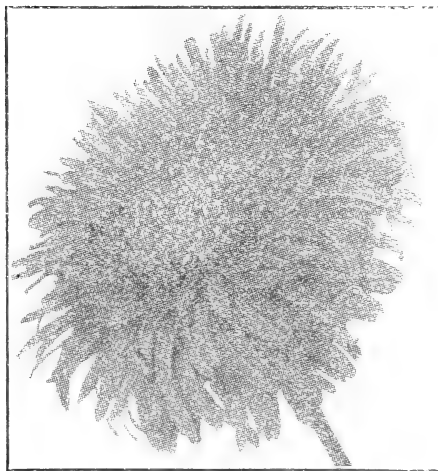
**Dwarf Chrysanthemums.**—Compact and free flowering, admirably adapted for edging. Height, 1 foot. Mixed. **Per Pkt. 10c.**

**Giant Comet.**—Elegant flowers, resembling the finest Japanese Chrysanthemums. Unrivalled for table decorations. Height, 18 inches. Mixed. **Per Pkt. 10c.**

**Aster Snowball**

**Ostrich Plume Pluto.**—A splendid new strain, large massive flowers of the deepest blood red, excellent for cutting. **Per Pkt. 15c.**

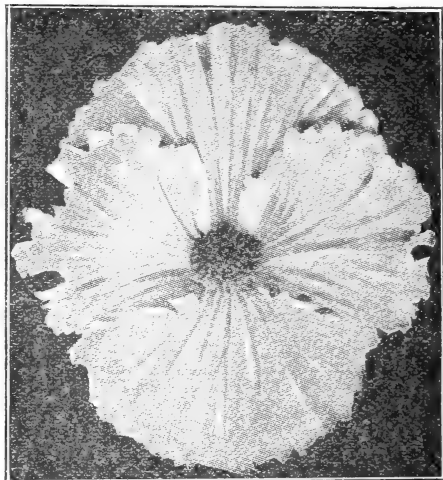
**Queen of the Market.**—One of the earliest blooming varieties, blossoming frequently in July of spreading habit, 8 to 10 inches high. Blossoms medium size and the petals curve outward. **Mixed. Per Pkt. 10c.**

**Aster Ostrich Plume Pluto**

**Late Branching California Grown.**—This superb strain of American origin is especially adapted to our climatic conditions. The plants form strong, branching bushes 2 to 2½ feet high, bearing on long, strong stems their handsome Chrysanthemum-like flowers, of immense size. These varieties are in-

valuable, as they come in just as the ordinary Asters are getting past their best, and give a succession of beautiful flowers for borders and vase decoration. We offer you the following select varieties:

**Branching White.**—Per Pkt. 10c.  
**Branching Rose.**—Per Pkt. 10c.  
**Branching Flesh Pink.**—Per Pkt. 10c.  
**Branching Lavender.**—Per Pkt. 10c.  
**Branching Purple.**—Per Pkt. 10c.  
**Branching Crimson.**—Per Pkt. 10c.  
**Branching Fine Mixed.**—Per Pkt. 10c.

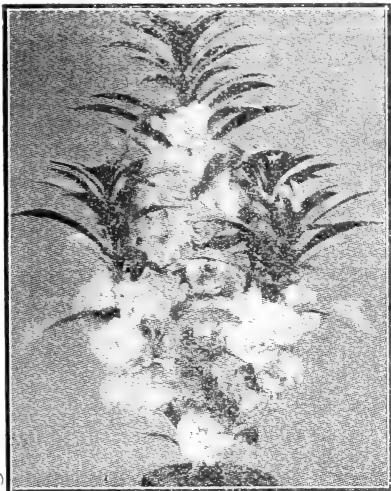
**Begonia Gigantica Crispa**

**Begonia Hybrida Gigantea Crispa.**—An exquisite Begonia which comes true from seed and blooms in the open with the greatest freedom throughout the summer and autumn months. The flowers are of enormous size, varying in color from pure white to dark purple. The petals are curled wavelike, which lend to the flower an extremely graceful and loose appearance, while the bursting buds are folded and ruffled in such a peculiar fashion that they present the appearance of a large double flower. A very unique and striking novelty. **Per Pkt. 15c.**

**Asparagus Plumosus**

**Asparagus Plumosus.**—A graceful house or out-of-doors climbing plant, having feathery lace-like foliage finer than the most delicate fern. Too well known to need further recommendation. **Per Pkt. 10c.**

**Springerli.**—A most desirable variety; valuable for hanging baskets, window boxes, vases, etc. The fronds frequently grow four feet long and are covered with leaves of a rich shade of green. **Per Pkt. 10c.**



Balsam

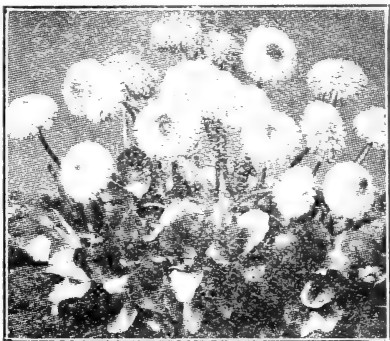
#### **BALSAM (Lady Slipper)**

Showy and easily grown, tender annuals succeeding best in sunny locations where there is rich loam. To grow fine specimens they should not be closer than 18 inches apart.

**Improved Camelia Flowered.**—In its extraordinary size, perfect form and brilliant colors, this fine strain of Balsams surpasses all others. Height, 18 inches. **Per Pkt. 5c.**

**Rose Flowered.**—Handsome double flowers in form resembling a rose. Height, 18 inches, fine mixed. **Per Pkt. 5c.**

**Spotted.**—Large semi-double flowers well adapted for borders, fine mixed colors. **Per Pkt. 5c.**



Bellis (English Daisy)

#### **BELLIS (English Daisy)**

An old favorite perennial plant, which will thrive under any condition, also easy

to grow from seed, can be grown in pots, boxes or in beds, height from 3 to 6 inches.

**Snowball.**—Enormous, fully double, white flowers borne on long stems and are excellent for cutting. **Per Pkt. 10c.**

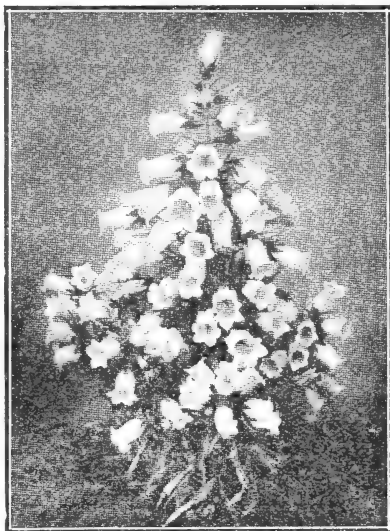
**Longfellow.**—Large, double, pink flowers. The combination of Snowball and Longfellow gives a most charming effect. **Per Pkt. 10c.**

**Mixed Double,** including various shades, ranging from flesh pink to crimson as well as pure white. **Per Pkt. 5c.**

#### **CAMPANULA (Bell Flower)**

Beautiful and well known hebeaceous plants, producing large bell-shaped flowers in great profusion. Succeeds best in light, rich soil.

**Persicifolia Grandiflora Hybrids.**—Including pure white and various pleasing shades of mauve, blue, purple, and some elegant semi-double flowers, height 2 ft. **Per Pkt. 10c.**



Campanula

**Calycanthemum.**—Improved mixed, a combination of the finest and most delicate colors in cultivation, including single, double and cup and saucer varieties, height 2 ft. **Per Pkt. 5c.**

**Medium.**—Choice selection of pleasing colors single mixed. **Per Pkt. 5c.**

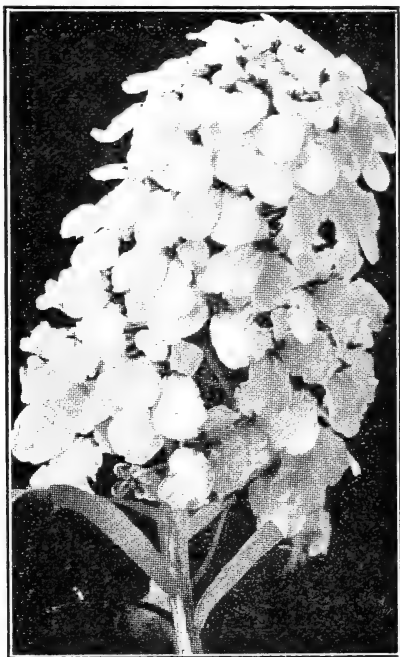
#### **CANARY BIRD FLOWER**

Tender, climbing annual, blossoms have curiously winged petals of light yellow. Excellent for trellis work or for suspended baskets. **Per Pkt. 5c.**

#### **CANNA**

Handsome decorative subjects for bedding, height 3 ft. Canna seed is extremely hard, and sometimes weeks elapse before the plants appear. The safest mode of assisting germination is to crack seed before planting. Afterward it is necessary to keep soil constantly moist or the germs will suffer injury.

**Crozy's Hybrids.**—A magnificent race of Cannas. **Per Pkt. 10c.**



Candytuft Empress

**CANDYTUFT**

The Candytufts are among our best flowers for edging, for bedding or massing, for rockeries and for cutting. Several of the varieties are fragrant, and all are profuse in bloom. Sow out of doors early in spring, where they are to bloom, and thin well when the plants grow about an inch; then sow again in July for fall flowers.

**Coronaria Empress.**—Large trusses of pure white flowers, the finest candytuft yet raised. **Per Pkt. 5c.**

**Umbrellata Purpurea.**—Exceedingly showy and effective variety bearing large spikes of dark crimson flowers. **Per Pkt. 5c.**

**Amara.**—Large, pure white flowers. **Per Pkt. 5c.**

**Umbrellata Hybrida.**—Mixed, including the best large flowering varieties. **Per Pkt. 5c.**

**CACALIA (Tassel Flower)**

Hardy annual for mixed borders, flowers are tassel shaped and of a brilliant orange and scarlet color.

**Choice Mixed.**—**Per Pkt. 5c.**

**CALENDULA (Pot Marigold)**

Hardy annual, one foot high, blooming freely, practically the whole year around. Very desirable for inferior soil where less sturdy flowers do not thrive.

**Meteor.**—Large, double, yellow flowers each petal striped with orange. **Per Pkt. 5c.**

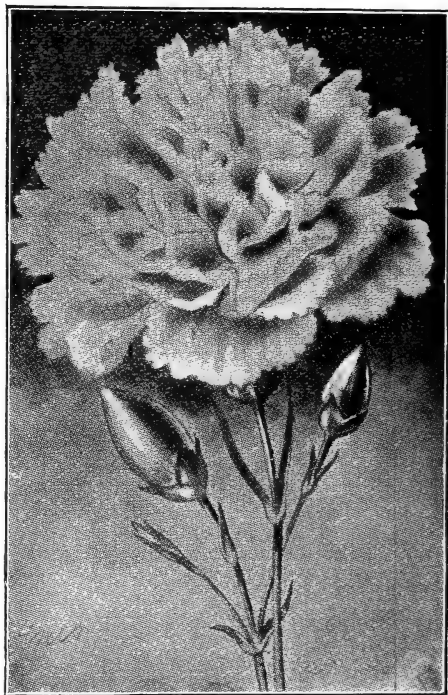
**Prince of Orange.**—Similar to Meteor but of a darker color. **Per Pkt. 5c.**

**CARNATIONS**

Our strain of these popular flowers is unsurpassable in beauty and variety of coloring, also in their delightful fragrance. For largest, richest flowers, we recommend their culture in pots of rich soil or small shallow boxes. Cover the seed lightly, and shade from the strong rays of the sun. When the young plants are

two or three inches high, they may be transplanted out into small beds. Shade and water them until established. Then they can be planted out in well-prepared beds, 12 to 18 inches apart. While the weather is cool, the ground should be mulched about 2 inches deep with well-rotted manure. This will not only help to retain the moisture in the ground, but also supply nutriment to the plants. The seed may be sown any time between March and September.

**Carnation Duchess of Saxony Coburg-Gotha.**—An exceedingly valuable strain of Giant flowering Carnation of a pure white color, freely produced and each bloom standing on a firm, long, erect flower stem. The great merit of this new variety is that it produces its exquisitely scented flowers within six months from date of sowing; hence it is easy to grow the best Carnations as annuals, saving all the trouble of wintering the plants. **Per Pkt. 20c.**

Carnation Duchess of Saxony  
Coburg Gotha

**Grenadin Scarlet.**—A valuable early flowering variety coming quite true to color and producing an exceptionally large percentage of sweet scented double scarlet flowers of a most telling color. **Per Pkt. 10c.**

**Marguerite Pure White.**—An exquisite sweet scented fringed flower of pure white color. Invaluable for bedding or indoor decoration. **Per Pkt. 10c.**

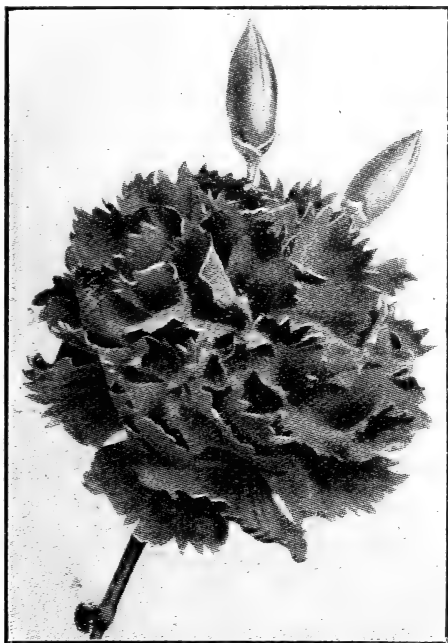
**Germania.**—An excellent companion to the preceding and producing very large double flowers of a deep rich canary yellow. **Per Pkt. 15c.**

**Marguerite Mixed Colors.**—Very varied; gives a large percentage of fine double flowers. **Per Pkt. 10c.**

**Early Flowered Vienna Dwarf.**—Extra early flowering strain of compact habit. Invaluable for bedding on account of the extremely free blooming habit of the plants. Colors varied and mostly double. **Per Pkt. 10c.**

**Double Mixed.**—Of great value for borders and masses, producing a large percentage of double and semi-double flowers. **Per Pkt. 10c.**

**Chabaud Earliest French.**—From the ease with which this fine Carnation can be flowered as an annual it has attained a popular position, and will continue to hold a foremost place in the garden. The beautiful fringed double flowers make a brilliant display of attractive coloring in the open and are greatly prized in borders and for table decoration. Mixed colors. **Per Pkt. 15c.**



**Carnation Chabaud Earliest French**

#### **CELOSIA (Cockscorn)**

Very ornamental and strong plants, producing magnificent spikes of feathery looking flowers. They succeed well in the garden and make very attractive pot plants.

**Empress.**—A handsome strain, large and compact heads; color splendid crimson. **Per Pkt. 10c.**

**Glasgow Prize.**—A greatly improved strain with immense heads borne on sturdy robust plants of dwarf habit. The color is a rich crimson, excellent for borders. **Per Pkt. 10c.**

**Pyramidalis Plumosa.**—Handsome pyramidal form bearing long feathery plumes in brilliant colors. Mixed. **Per Pkt. 5c.**

**Thompsoni Magnifica.**—A very fine selection of the popular feathered Celosia containing many pleasing shades of color varying from pale yellow to the deepest crimson. **Per Pkt. 10c.**



**Celosia Pyramidalis**

#### **CENTAUREA**

The hardest of annuals, will grow and do well almost anywhere, and are much in demand as cut flowers.

**Candidissima.**—Broad silvery-white foliage useful for bedding, height 1 foot. **Per Pkt. 10c.**

**Cyanus Emperor William.**—The rich, deep blue Bachelors Button. **Per Pkt. 5c.**

**Imperialis.**—A magnificent large flowered type exquisitely fringed and delightfully scented. The flowers are at least twice the size of the older varieties and retain their freshness in water a long period, and are well adapted for cutting. Height 3 feet.

**Imperialis Pure White.**—**Per Pkt. 10c.**

**Imperialis Yellow.**—**Per Pkt. 10c.**

**Imperialis Lavender.**—**Per Pkt. 10c.**

**Imperialis Mixed.**—**Per Pkt. 10c.**

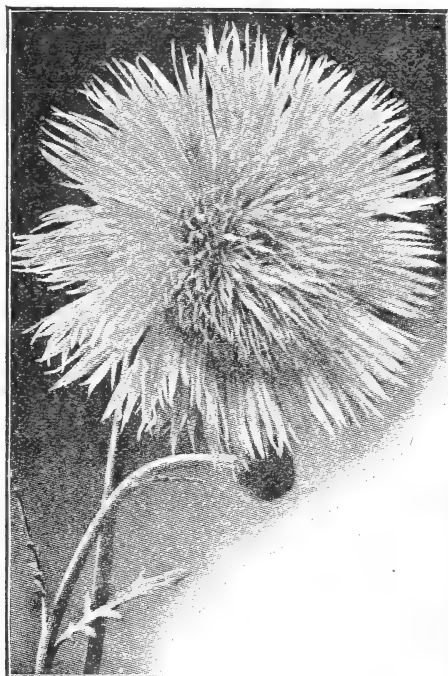
**Odorata Marguerite.**—Deservedly popular, pure white flowers of the Imperialis class. **Per Pkt. 5c.**

**Odorata Light Blue.**—Showy sweet-scented flowers of clear mauve color. **Per Pkt. 5c.**

**Odorata Mixed.**—Including white, and various shades of yellow, mauve, blue and purple. **Per Pkt. 5c.**

**Moschata or Sweet Sultan.**—A well known type in white, yellow, lavender and purple blossoms.

**Moschata Alba.**—Flowers pure white and very fragrant. **Per Pkt. 5c.**

**Centaurea**

**Fine Mixed.**—A combination of various colors. **Per Pkt. 5c.**

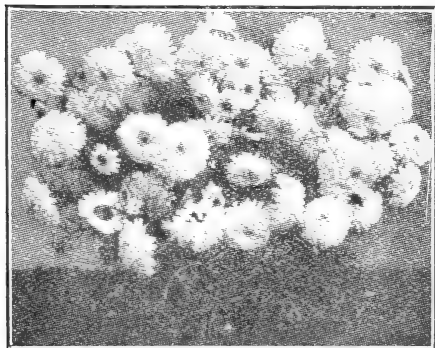
**Suaveolens.**—Bright yellow flowers. **Per Pkt. 5c.**

### CHRYSANTHEMUM

Annual assorted varieties; very showy and effective garden favorites; extensively grown for cut flowers.

**Carinatum.**—Single mixed, comprising a wide range of attractive colors. **Per Pkt. 5c.**

**Carinatum . . Hybridum.**—Dwarf double mixed, produced a diversity of colors, including many new and attractive shades. **Per Pkt. 10c.**

**Chrysanthemum (Bridal Robe)**

**Coronarum Compactum Fl. Pl. White Pearl.**—A vigorous-growing class of a branching habit, bearing large, pure white, double flowers, invaluable for cutting as they retain their freshness for a long period in water. **Per Pkt. 15c.**

### CHEIRANTHUS MARTIMUS

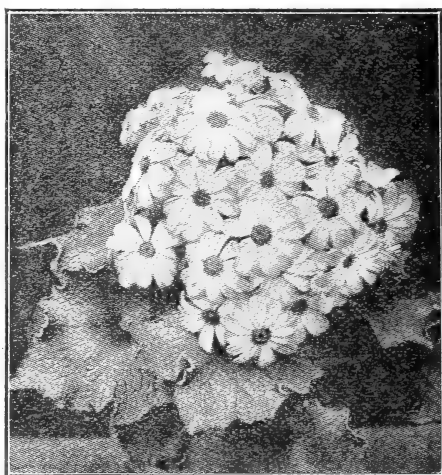
(Virginia Stock)

Early flowering, hardy annual, largely grown for its bright effects in beds and borders. Height 9 inches.

**Choice Mixed.**—**Per Pkt. 5c.**

### CINERARIA

As a showy greenhouse or window plant the Cineraria has but few equals, bearing as it does, hundreds of large showy flowers of various colors. Seed should be sown in well drained seed pans or shallow pots of light rich soil. Place a piece of glass over the pot to retain moisture. When the plants have made their first pair of leaves, they should be potted off into small pots. As fast as the pots are full of roots, shift into larger ones till the flowering size is reached.

**Cineraria Grandiflora**

**Cineraria Hybrida Grandiflora.**—This superb strain of Cineraria saved exclusively from the most perfect large flowered prize varieties, is distinguished by its splendid range of colors. The mixture includes every conceivable shade of pink, carmine, crimson and blue, varying from violet, as well as pure white, and blue and white. The flowers are of immense size, borne on plants of compact robust habit. **Per Pkt. 35c.**

**Hybrida.**—Choice mixed; splendid strain of compact growth, bearing large exquisitely colored flowers. **Per Pkt. 25c.**

### CLARKIA

These popular summer annuals are all perfectly hardy, and can be grown with the utmost ease in ordinary soil. They flower profusely and are exceedingly bright and attractive, especially in masses. Seed sown in the fall will give early blossoms in the spring; can be sown almost any time.

**Elegans.**—Single and double mixed. **Per Pkt. 5c.**

**CLIANTHUS (Australian Glory Pea)**

**Clanthus Damperi.**—One of the handsomest plants in cultivation; it climbs to about ten feet; with neat compound leaves and drooping clusters of large rich scarlet pea-shaped flowers 3 inches in length; similar to the splendid blossoms of the coral tree, each flower being picturesquely marked with large black blotches in the center. **Per Pkt. 15c.**

**COBEA SCANDENS (Cup and Saucer Vines)**

A climber of rapid growth! very valuable for covering trellises, arbor, trunks of trees, etc. Will cling to any rough surface, often attaining a height of 30 to 40 feet in one season.

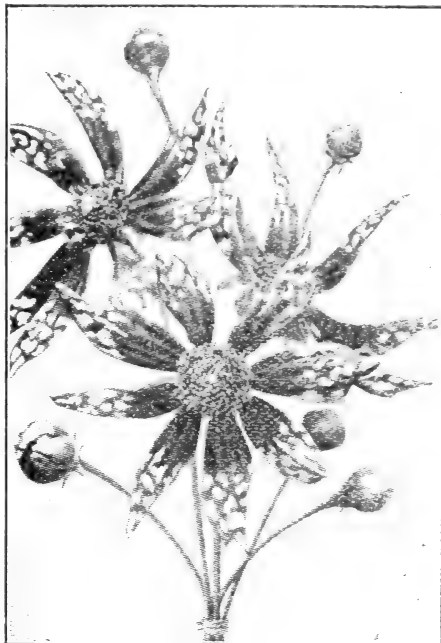
**Scandens.**—Large bell-shaped purple flowers. **Per Pkt. 10c.**

**Scandens Alba.**—Pure white. **Per Pkt. 10c.**

**COLEUS**

These beautiful and ornamental foliage plants, producing the most attractive color; a most interesting subject to grow from seed. To watch the foliage change into a variety of colors as it grows day by day it is wonderful. **Per Pkt. 15c.**

**Convolvulus.**—See Morning Glory.

**Calliopsis Tiger Star**

**Calliopsis Radiata Tiger Star.**—A rich and continuously blooming annual with pretty, peculiar flowers. The leaflets of each flower are twisted like those of the well known Cactus Dahlia. Toward the center they show a vivid reddish brown coloration, the outer part being brilliant golden yellow-tinged. The plants reach a height of about 8 inches and form round compact bushes which are throughout the summer literally covered with pretty flowers. Easy culture, moderate and continuous flowering are features that render this novelty most valuable to both amateurs and gardeners. **Per Pkt. 10c.**

**Lanceolata Grandiflora.**—Produces a profuse and long-continued succession of large, bold, golden-yellow flowers during the whole summer months. Seed sown in March will flower the same season. Height, 2½ feet. **Per Pkt. 10c.**

**COSMOS**

Handsome half hardy annual with feathery leaves, producing a large number of flowers resembling small single dahlias. Very suitable for cutting.

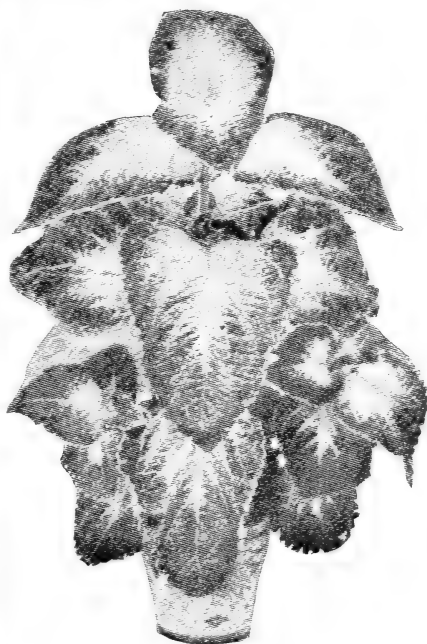
**White.**—**Per Pkt. 5c.**

**Pink.**—**Per Pkt. 5c.**

**Crimson.**—**Per Pkt. 5c.**

**Mixed Colors.**—**Per Pkt. 5c.**

**Cosmos—New Gigantic Orchid Flowering Lady Lennox.**—This, the latest development of this popular autumn flower, is a forerunner of a new race of Cosmos. The flowers extraordinary in

**Coleus****COREOPSIS**

Also known as Calliopsis, will grow luxuriantly in any situation and are most useful, affording a constant supply of richly marked flowers for cutting. All varieties are annuals with the exception of C-Grandiflora.

**Tintoria.**—Showy, yellow and brown flowers, height 2½ to 3 feet. **Per Pkt. 5c.**

**Drummond.**—Large, rich, golden-yellow flowers with chestnut-brown centers produced in abundance, height 18 inches. **Per Pkt. 5c.**

**Mixed.**—A selection of the brightest and richest colored large-flowered varieties. **Per Pkt. 5c.**

size, being 6 to 7 inches in diameter, with wide overlapping petals of an exquisite shade of Shell Pink. The flowers are on long stems, making them exceptionally desirable for cutting. Height 4 to 6 feet. Per Pkt. 10c.

**CYPRESS VINE (*Ipomea Quamoclit*)**

A tender climbing annual with soft fern-like foliage and small star-like flowers. Choice mixed colors. Per Pkt. 5c.

**CYCLAMEN**

Charming plants with beautiful foliage, and rich colored fragrant flowers; universal favorites for winter and spring blooming. Seed may be sown any time during the spring or autumn.

**C. Persicum.**—A very fine strain, not so large as the Giants but easier to grow. Choice mixed colors. Per Pkt. 10c.

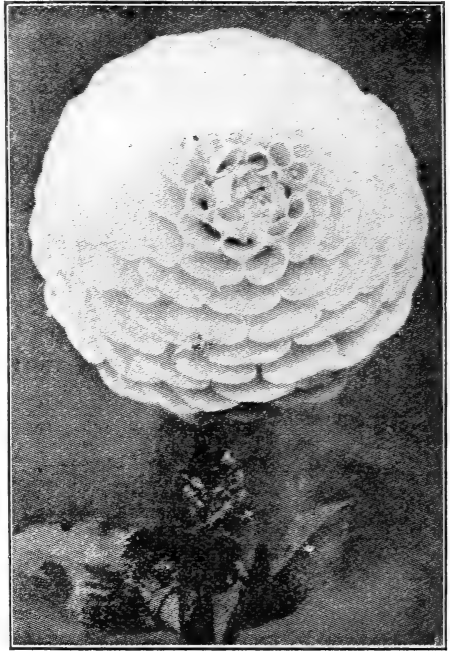
**C. Persicum Gigantum.**—A magnificent strain with flowers of extraordinary size and substance. The leaves are proportionately large and very beautifully marked with silver-grey. Extra choice mixed. Per Pkt. 20c.

**C. Papilio, Butterfly.**—Singularly attractive variety, with gracefully margined and fringed flowers in all possible colors, as white with rose, rose with scarlet, crimson with violet, etc. Per Pkt. 25c.



**Cyclamen Victoria**

**Cyclamen Victoria.**—A truly magnificent strain of Cyclamen. Its vigorous habit, and floriferousness and the most elegant appearance of its gracefully margined and fringed flowers are the prominent features of this novelty. The lovely margins of the upper part of the fringed flowers displaying in the softest and richest colors especially lends to a flowering plant a most enchanting appearance. This display ranges in all possible colors—as white with rose, rose with scarlet, crimson with violet, etc., and the coloration of the margin always corresponds with that of the base of the flower. Exceedingly effective. Per Pkt. 20c.

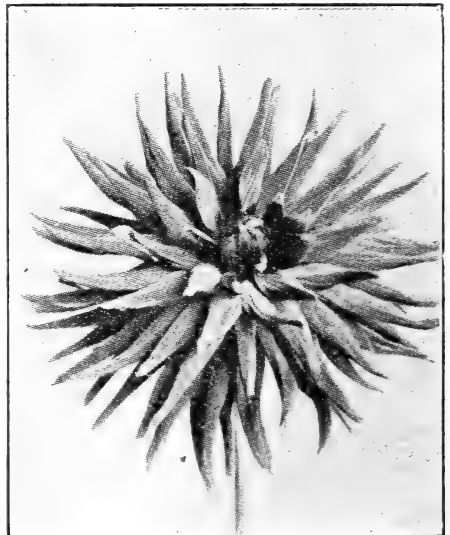


**Dahlia Double**

**DAHLIA**

A popular summer and autumn blooming plant; is grown from seed or propagated from the bulbous roots. Sow seed early in hot-beds and transplant as soon as danger of frost is past.

**CACTUS.**—Distinct and remarkable appearance, petals quilled and curved, loosely and gracefully arranged in large oval heads of blooms. Choice mixed colors. Per Pkt. 10c.



**Dahlia Cactus**

**Double.**—Choice mixed colors in great variety and flowers of excellent form. Per Pkt. 5c.

**Single Mixed.**—Seed saved from the choicest varieties. Per Pkt, 5c.

**Lucifer.**—Early and extremely free-flowing strain of dwarf habit, with flowers of a rich, dark red color, showing to great effect above the dark foliage. Makes a most attractive bed. **Per Pkt. 10c.**

**DATURA** (Trumpet Flower)

Tender annual, growing about 3 feet high, flowers large and trumpet shaped.

**Fasdnosa Huberiana.**—Choice mixed colors.  
Per Pkt. 5c.

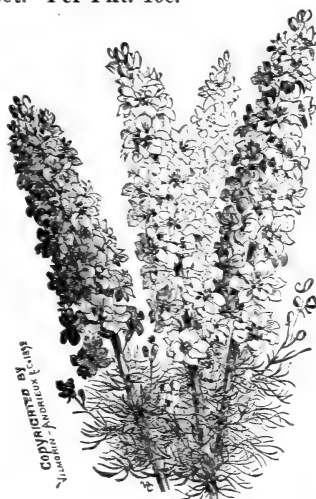
**DELPHINUM (Larkspur)**

Beautiful, hardy, border perennials with noble spikes of handsome flowers, very useful for cut flowers, etc.

**Formosum.**—Rich blue flowers, exceedingly effective in borders, height 3 feet. **Per Pkt. 5c.**

**Cardinale.**—Cery beautiful starin with large handsome flower spikes of bright scarlet, height 4 feet. **Per Pkt. 5c.**

**Sulphureum.**—Long spikes of charming, clear, yellow flowers; quite a distinct color among perennial Larkspur, height 3 feet. **Per Pkt. 10c.**



## Delphinium

**Elatum Hybridum Double Mixed.**—Large, handsome flower spikes, including the best of the new double and single varieties, height 3 feet. **Per Pkt. 5c.**

**Hybridum Single Mixed.**—Very showy  
strain. Per Pkt. 5c.

**DIANTHUS (or Pink)**

Few flowers can equal these in beauty and profusion of bloom. They comprise many beautifully marked varieties of rich and varied colors. The plants bloom all summer and fall until frost.

**Heddewigi Mixed.**—Flowers very large and of the most brilliant colors, varying from pure white to the richest crimson, while many are beautifully laced or striped. For bedding purposes they are of immense value during the entire summer, and they also furnish elegant flowers for bouquets. **Per Pkt. 5c.**

**Crimson Bell.**—One of the most attractive varieties of Dianthus. Flowers large elegantly lacinated and of a lovely rich crimson shade. **Per Pkt. 5c.**



### Dianthus Mourning Cloak

**Mourning Cloak.**—Large double flowers almost black in color, beautifully edged with white. **Per pkt. 5c.**

**Fireball.**—Vivid scarlet flowers, giving a most striking effect when massed, invaluable for table decoration. **Per pkt. 5c.**

**Snow Drift.**—Charming variety, large, pure white, double flowers beautifully fringed. Per pkt. 5c.

**Eastern Queen.**—One of the most attractive varieties of *Dianthus*. Flowers large, elegantly lacinated and of a lovely rose pink shade. **Per pkt. 5c.**

**Double Mixed.**—A mixture of all the most beautiful and showy double varieties.  
Per pkt. 5c.

**Single Mixed.**—Fringed flowers of various colors. Per pkt, 5c.

**Chinensis Double.**—Choice mixed. Largest double flowers embracing a variety of beautiful colors. **Per pkt. 5c.**

**Plumarius Florest Perpetual.**—A very hardy class producing large fragrant double, semi-double and single flowers of varied colors. **Per pkt. 5c.**

### DIGITALIS (Fox Glove)

Hardy perennial, blooming the second year from seed. The bell shaped flowers are borne on long spikes and come in shades of purple, lavender, rose and white, all spotted lightly inside the blossoms. Thrives well in cool, shady locations. Fine mixture. **Per (pkt. 5c) (oz. 50c).**

### DOLICHUS (Hyacinth Bean)

A tender climbing annual, flowers profusely and in clusters of white, purple and lilac shades. The flower spikes are followed profusely by ornamental seed pods. Height 10 to 20 feet. Mixed colors.

**Per pkt. 5c.**

**ESCHSCHOLTZIA** (or Cal. Poppy)

A hardy annual, with fine cut feathering foliage, in beautiful velvet cup-shaped flowers. Seeds may be sown in fall and any time thereafter until the following April. Sow seeds where plants are to remain, as they do not transplant easily; of easy culture. Height 2 feet.

**Californica.**—Large, pale yellow. Per pkt.  
5c.

**Californica Alba.**—Large flowers of pure white. Per pkt. 5c.

**Mandarin.**—Bright orange shaded crimson. Per pkt, 5c.

**Eschscholtzia**

**Rose Cardinal.**—Delicate creamy rose flowers. Per pkt. 5c.

**Crocea.**—Large, orange flowers, very showy. Per pkt. 5c.

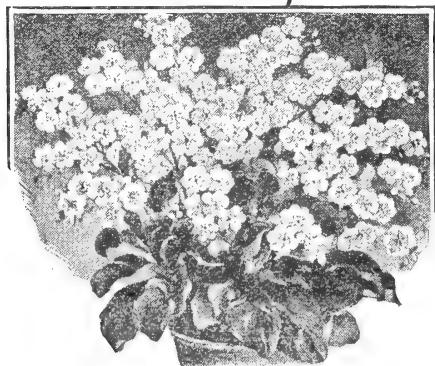
**Crimson Flowering.**—A great improvement on all previous Eschscholtzia, the color being a clear rosy-crimson, which is particularly effective when contrasted with the paler varieties. Per pkt. 10c.

**Mixed.**—Per pkt. 5c.

#### **FORGET-ME-NOT (Myosotis)**

Of all the spring flowers, none are more appreciated than Myosotis when grown in abundance. The small star-like flowers are borne in clusters on long stems. Succeeds best in a moist, shady location and blooms the first year from seed if sown early.

**Alpestris Blue Dwarf.**—Free flowering. Per pkt. 5c.

**Forget-Me-Not (Ruth Fisher)**

**Victoria.**—Sky blue dwarf globular habit, very large flowers, the best for forcing. Per pkt. 10c.

**Ruth Fisher.**—The finest Myosotis known, habit robust and free blossoming. The large bright flowers possess twice as many petals as do the other varieties, and each stem carries a large cluster. Per pkt. 25c.

#### **FOUR O'CLOCK (Mirabilis)**

A hardy annual of easy culture, growing about 2 feet high. The plant is free flowering, bearing blooms of a great variety of colors and spikes.

**Jalapa Marvel of Peru.**—Mixed. Per pkt. 5c.

#### **FUCHSIA**

A tender perennial of easy culture, easily grown from seed, waxy drooping flowers, 1 to 2 inches long of exquisite colors, red, white, pink, etc.

**Hybrida Superb Mixed.**—Carefully saved from the finest single and double varieties. Per pkt. 25c.

**Geranium**

#### **GERANIUM**

A half-hardy perennial, flowering the first year from seed if sown early. A gorgeous flower of numerous shades of color borne continuously renders this one of the most popular plants grown.

**Large Flowers of Fancy Show.**—This choice mixture includes many of the newest and finest sorts. Per pkt. 25c.

**Zonale.**—Mixed single. Per pkt. 10c.

#### **GAILLARDIA**

Beautiful shown plant, remarkable for the profusion, size and brilliancy of its flowers, continuing in bloom from early summer till late in the fall. Excellent for beds, borders, or for cutting. Should be sown where they are to bloom, height 18 inches.

**Picta.**—Favorite bedding plant, producing throughout the summer numerous yellow and scarlet flowers. Per pkt. 5c.

**Gaillardia Grandiflora****GODETIA (Satin Flower)**

Brilliant and profuse flowering annuals, extremely hardy and easy of cultivation. Invaluable for bedding. Sow seed early in spring.

**Lady Albemarle.**—A splendid variety. Flowers large and of intense glowing carmine-crimson, slightly edged with lilac. Height 1 foot. **Per pkt. 5c.**

**Lady Satin Rose.**—Bright, rose-colored flowers having glossy satin-like petals, height 6 inches. **Per pkt. 5c.**

**Duchess of Albany.**—Beautiful glossy, satin-white flowers produced in great abundance, height 1 foot. **Per pkt. 5c.**

**The Bride.**—Lovely white flowers suffused with rose, height 1 foot. **Per pkt. 5c.**

**Whitneyi.**—Highly effective variety with brilliant carmine flowers. Very freely produced on compact plants, height 1 foot. **Per pkt. 5c.**

**Godetia Whitneyi**

**Picta Lorenziana Double Mixed.**—Large heads of bright yellow and red flowers. Very double, with quilled petals, suitable for bouquets. **Per pkt. 5c.**

**Grandiflora Mixed.**—An exceedingly shown and effective strain producing throughout the summer and autumn months large handsome flowers of various colors. **Per pkt. 5c.**

**GILIA**

A hardy annual, growing about 1 foot high, excellent for beds, edging or for rockwork.

**Tricolor.**—Lavender and white kowers with black throat; free flowering. **Per pkt. 5c.**

**GLADIOLUS (Seeds)**

A splendid race of large flowered Gladioli which can be grown as annuals, including all the best shades of colors. By transplanting in May, fine specimens may be had in bloom the following August. The flowers come even earlier if the plants are allowed to stand where originally sown. Height 3 feet. **Per pkt. 15c.**

**Gloxinia Ornamental Foliaged**

**Whitneyi Fulgida.**—An extremely showy variety, flowers of a brilliant crimson-scarlet, with white center. Very striking and effective. **Per pkt. 5c.**

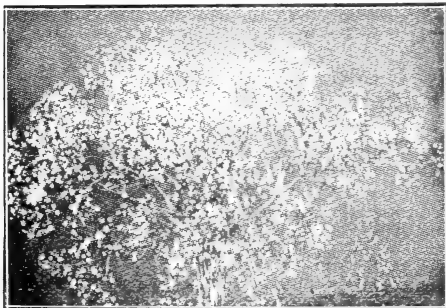
**Semi-Dwarf Mixed.**—Including all the finest varieties. **Per pkt. 5c.**

**GLOXINIA**

A superb genus of green-house plants, producing magnificent flowers of the richest colors. Thrive best in an equal mixture of peat, loam and sand. Sown in March.

**Hybridia Grandiflora.**—Enormous flowers, showing many unusual shades of pink, rose, violet and purple, which exist only in this strain. The exquisite coloring and markings of the flowers make these Hybrids indispensable in every collection of Gloxinias. **Per pkt. 25c.**

**Ornamental Foliaged.**—A new Hybrid race well worth growing for its beautiful foliage alone. The leaves are very large and vary from velvety brown to glossy purple, prettily veined with silver above and showy bright red on the reverse. The enormous flowers, which appear in great profusion, are bright, rosy-carmine, with spotted white throats which stand out in the most brilliant imaginable contrast. A most striking and lovely variety. **Per pkt. 25c.**

**Gypsophilia****GYPSOPHILIA (Babies Breath)**

Pretty free-flowering plant, succeeding well in any garden. Grows from 2 to 3 feet high and bears in abundance a small, white, star-shaped flower which is largely used in mixing with other cut flowers.

**Elegans.**—Pure white, feathery flowers, height 18 inches. Per pkt. 5c.

**Paniculata.**—White flowers, fine for bouquets, blooms the first year if sown early, height 2 feet. Per pkt. 5c.

**GOURDS (Ornamental)**

Rapid growing, annual climber, very useful for covering arbors, trellises, etc. The fruits are curiously shaped and often highly colored.

**Bottle.**—Per pkt. 5c.

**Hercules, Club.**—Per pkt. 5c.

**Dipper.**—Per pkt. 5c.

**Sugar Trough.**—Per pkt. 5c.

**Dish Rag.**—Per pkt. 5c.

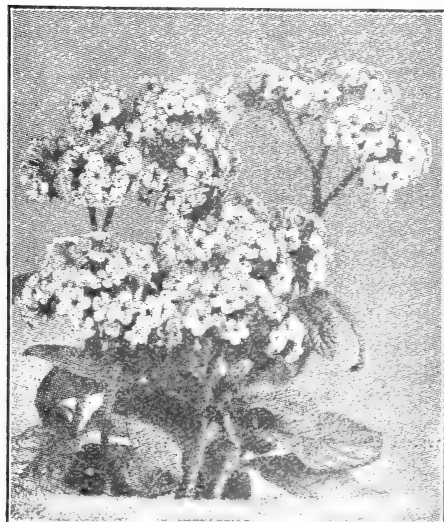
**Nest Eggs.**—Per pkt. 5c.

**Mixed Ornamental Varieties.**—Per pkt. 5c.

**HELIANTHUS (Sun Flower)****HELICHRYSUM**

Very handsome, everlasting flowers, suitable for mixed borders. The flowers retain their shape and color for years, but it is necessary to gather them before they are fully expanded. They are very useful for winter bouquets, decorations, etc.

**Choice Mixed Colors.**—Per pkt. 5c.



Heliotrope Louise Delaux

**HELIOTROPE**

A half hardy perennial, growing 4 to 8 feet high. Small flowers, borne in graceful clusters and very fragrant. Will bloom the first season from seed if sown early. Forms a large plant and requires a roomy situation.

**Louise Delaux.**—Flowers rose tinted. Per pkt. 10c.

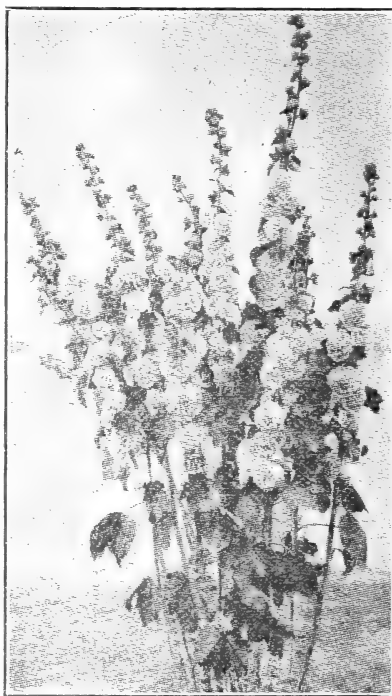
**Queen Marguerite.**—Large, purple blue. Per pkt. 10c.

**White Lady.**—Large flower, pure white. Per pkt. 10c.

**Finest Mixed.**—A mixture of the ordinary types. Per pkt. 10c.

**HOLLYHOCK**

Grand summer-flowering plant, bearing long spikes of double flowers 3 to 4 inches across. A clump or line in any garden gives an effect not attainable with any other plant.



Hollyhock

**Allegheny.**—This unique and beautiful variety produces semi-double flowers about 3 inches across. The petals are crinkled and fringed like crumpled and slashed satin. Per pkt. 10c.

**Chater's Superb Mixed.**—Saved from a magnificent collection of fine named double varieties. Per pkt. 10c.

**New Annual Mixed.**—Saved from the best trial varieties. Per pkt. 10c.

**HONEYSUCKLE**

Very showy plants, suitable for mixed borders, shrubberies, etc. Height 2 feet.

**French Choice Mixed.**—Per pkt. 5c.

**HUMILIS (Japanese Hops)**

A hardy climbing annual of rapid growth with dense leaves. Will grow from 15 to 25 feet in a season. Valuable for covering trellis, etc.

**Japonicus Variegatus.**—Leaves beautifully variegated with silver and creamy white markings. Comes remarkably true from seed, quite as vigorous in growth as the green variety. Per pkt. 10c.

**Japonicus.**—Similar to the preceding except the foliage is green. Per pkt. 5c.



Hibiscus

#### HIBISCUS

A hardy annual, growing about 2 feet high, showing an ornamental class of plants with large, beautiful colored flowers, grows freely in common garden soil.

**Africanus Major.**—Beautiful primrose-colored flowers with a deep violet center. Per pkt. 5c.

**HUNNEMANNIA FUMARIAEFOLIA** (Mexican Poppy)

This is by far the best of the poppy family for cutting, remaining in good condition for several days. Seed sown in May will, by the middle of July, produce plants covered with their large buttercup-yellow, poppy-like blossoms, and never out of blossom until hard frost. The plants grow about 2 feet high and are quite bushy with beautiful feathery glaucous foliage. Per pkt. 10c.

#### IPOMAEA

Handsome climbing plants of rapid growth, with beautiful, large snowy flowers; particularly adapted for conservatory decorations, verandas, trellis work, etc.

**Coccinea.**—Brilliant scarlet flowers, with small foliage. Per pkt. 5c.

**Learii.**—Violet and blue flowers. Per pkt. 10c.

**Rubro Coerulea.**—Very large, sky-blue flowers. Per pkt. 10c.

**Hederacea Grandiflora Alba.**—Large flowers of pure white. Per pkt. 10c.

**Bona Nox (Evening Glory).**—Rosy lilac flowers, expanding in the evening; of very rapid growth. Per pkt. 5c.

**Mexicana Alba.**—At night and during dull days the plants are covered with an abundance of large pure white flowers, 5 to 6 inches in diameter. Very rapid grower. Per pkt. 10c.

**Imperial Japanese.**—A distinct race of Morning Glories, remarkable for its profusion of brilliant flowers of gigantic size and ranging in color from snow white to black purple with all the possible intermediate shades. There is also an endless number having flowers spotted, marbled, striped, flaked, splashed, etc. Per pkt. 10c.

#### IMPOMOPSIS

Specially decorative, half hardy annual with brightly colored flowers and feathery foliage, height 3 feet.

**Elegans Choice Mixed.**—Per pkt. 5c.

**KOCHIA TRICHOPHILIA** (Summer Cypress)

A rapid growing annual of graceful habit and finely cut under green foliage which changes to a rich russet crimson in the autumn, height 3 feet. Per pkt. 5c.

#### KUDUZ VINE

A hardy and remarkably vigorous vine, frequently producing stems 50 to 60 feet long in a single season—a veritable Jack-and-the-Bean-stalk. In the North the plant dies down to or near the ground in winter, but in the South the vines are woody and often of considerable diameter. Well adapted for covering arbors or verandas, especially where rampant vines and large bold leaves are required. Thrives in almost any well-drained soil, preferring sunny situations.



Kudzu Vine

**Pueraria Thunbergiana (Dolichos Japoni-**

**cus)—Kuduz Vine.**—Stems twining, hairy when young, very long and flexible. Leaves compound, consisting of three, bright green ovate leaflets. Flowers pea-shaped, purple, produced in axillary racemes from the older woody stems in late summer. **Per (pkt. 10c) (½ oz. 50c).**

**Lavatera Rosea**

A showy hedge plant, growing about 4 feet high and covered with bright cup-shaped flowers. Sow early in Spring and thin to 12 inches apart.

**Trimestric Rosea.**—Magnificent variety of a brilliant rosy-pink. Extremely useful for cutting, the blooms remaining in beauty for a long period. **Per pkt. 5c.**

**Trimestric Alba.**—Beautiful large, glossy, pearly-white flowers. An effective contrast to the pink (Rosea). Valuable for borders or other decorative purposes. **Per pkt. 5c.**

**LANTANA**

Tender perennial, growing from 2 to 3 feet high, bearing Verbena-like clusters of flowers, in orange, white, rose and other colors, excellent for bedding. **Choice Mixed.—Per pkt. 5c.**

**LATHYRUS LATIFOLUS (Everlasting Pea)**

A hardy, perennial climber, of great beauty with elegant sweet pea-like flowers in great profusion, height 6 to 8 feet. **Fine Mixed.—Per pkt. 5c.**

**LEPTOSYNS**

One of the quickest flowering annuals, blooming within five weeks from date of sowing. Flowers continue in perfection for a long period and are of exceedingly neat habit, height 18 inches.

**Stillimant.**—Golden yellow, Marguerite-like flowers. Very free flowering. **Per pkt. 5c.**

**LINUM (Scarlet Flax)**

An elegant, free flowering, hardy annual. Valuable for bedding, height 12 inches.

**Rubrum.**—Brilliant scarlet flowers. **Per pkt. 5c.**

**LOBELIA**

An invaluable class of half hardy annuals, admirably adapted for bedding, edging, ribbon gardening, window boxes or pots. Sow early in spring in pans, covering the seed very lightly. The soil should be well mixed with sand and made quite firm. Keep warm and moist, watering at intervals with a fine spray.

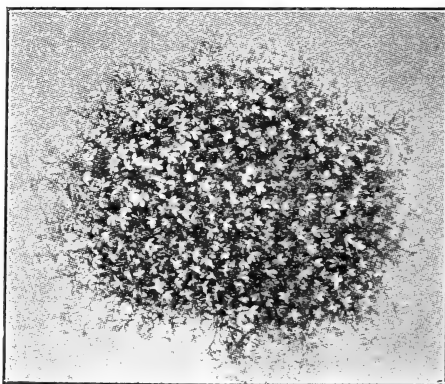
**Lobelia Hybrida Amanda.**—A magnificent strain of Hybrid Lobelias, suitable for the decoration of hanging baskets or window boxes which in fact it literally covers with its long sprays of finely cut foliage, and its innumerable blossoms, which opens rosy-lilac and passes to a deep amaranth red, an intense shade from which the sharply defined pure white eye stands out in telling contrast. A plant covered with such attractive flowers presents a charming aspect and by its long continued display well repays the care taken in its culture. **Per Pkt. 15c.**

**Royal Purple.**—Dark, bronzy green foliage, flowers rich purple-velvet with clear white eye. A splendid variety for ribbon borders, window boxes, etc. Height 6 inches. **Per pkt. 5c.**

**Bernards Perpetual.**—Flowers brilliant ultramarine blue, with a pure white mark at the base of each of the two lower petals, height 6 inches. **Per pkt. 5c.**

**Crystal Palace.**—Undoubtedly the finest dwarf blue Lobelia for bedding. Plants very compact, profusely covered with rich blue flowers. Height 4 inches. **Per pkt. 10c.**

**Cardinalis Queen Victoria.**—Beautiful perennial variety with vivid scarlet flowers and metallic crimson foliage, height 2 feet. **Per pkt. 15c.**

**Lobelia Amanda****LUPINS**

Both the annual and perennial Lupines are among the most useful of our garden flowers, either for mixed borders or bedding. They are very free flowering and make a fine show for a small outlay.

**Hartwegi.**—A great improvement on the common Lupine; flowers blue and white, valuable for bouquets, height 2 feet. **Per pkt. 5c.**

**Hartwegi Albus.**—Pure white flowers; in other respects similar to the preceding, height 2 feet. **Per pkt. 5c.**

**Hartwegi Roseus.**—Flowers of a rich rose color and deserve a place in every garden, height 2 feet. **Per pkt. 5c.**

**Hybridus Atrococcineus.**—The finest of all the genus; large spikes of scarlet, white-tipped flowers, height 2½ feet. **Per pkt. 5c.**

**Mutabilis.**—Showy spikes of blue and white flowers, height 3 feet. **Per pkt. 5c.**

**Dunnetti Superbus.**—Handsome spikes of flowers in yellow, purple and white, height 2 feet. **Per pkt. 5c.**

**Sulphureus.**—Long stems of bright yellow flowers, dwarf branching habit, height 8 inches. **Per pkt. 5c.**

**Hybridus.**—Flowers ranging from pure white to golden yellow, and from palest mauve to richest purple, including many unusual and pretty shades. **Per pkt. 5c.**

#### LYCHNIS

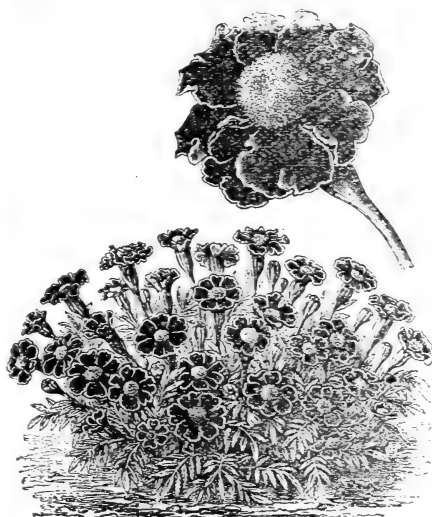
Well known, showy, hardy, herbaceous perennial, suitable for mixed borders; also valuable for cutting.

**Haageana Hybridia.**—Brilliant flowers, including a great variety of colors, height 1 foot. **Per pkt. 5c.**

#### MARIGOLD

The Marigolds are old favorite, free-flowering annuals of easy culture. In autumn when other bedding plants are past their prime, they afford a wealth of color that is simply invaluable.

**Marigold Gold Ring.**—This charming variety is a fine match to the old Legion of Honor in growth, height and free flowering; but is now almost given the preference compared with the latter. The color is a dark velvety brown, gracefully surrounded by a distinct gold ring. The compact, bushy plant flowers abundantly and is more lasting than any other annual. **Per Pkt. 10c.**



Marigold Gold Ring

The African varieties produce large self-colored blossoms on tall plants. The French are smaller but the colors and markings are much better, some of the varieties being elegantly striped and spotted.

**African Tall Double Orange.**—Beautifully formed flowers of gigantic size and bright color, height 2½ feet. **Per pkt. 5c.**

**Tall Double Lemon.**—A charming shade of color, height 2½ feet. **Per pkt. 5c.**

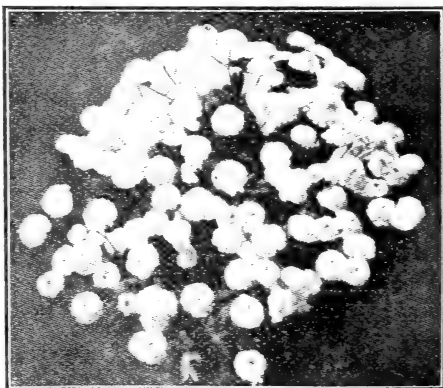
**Tall Double Mixed.**—Saved from the finest flowers, height 2½ feet. **Per pkt. 5c.**

**French Tall Striped.**—The flowers have a yellow ground, with rich brown markings, height 2 feet. **Per pkt. 5c.**

**Tall Double Mixed.**—A combination of the best varieties, height 2 feet. **Per pkt. 5c.**

**Dwarf Double Mixed.**—Profuse flowering, and well adapted for a bedding display in autumn, height 1 foot. **Per pkt. 5c.**

**Legion of Honor.**—Beautiful, free-flowering, single Marigold. Flowers bright, clear yellow, blotched with rich brown. Admirably adapted for beds or ribbon borders, height 9 inches. **Per pkt. 5c.**



Matricaria Silver Bell

#### MATRICARIA

Beautiful hardy perennials of compact habit, suitable for beds or borders.

**Golden Ball.**—Very striking double golden yellow flowers, height 1 foot. **Per pkt. 10c.**

**Silver Ball.**—Dainty, milk-white, fully double flowers, which make a pretty contrast with Golden Ball. The flowers remain in perfection for a long time and are excellent for cutting, height 1 foot. **Per pkt. 10c.**

#### MAURANDIA

Beautiful climbers of graceful habit, blooming profusely until late in the fall.

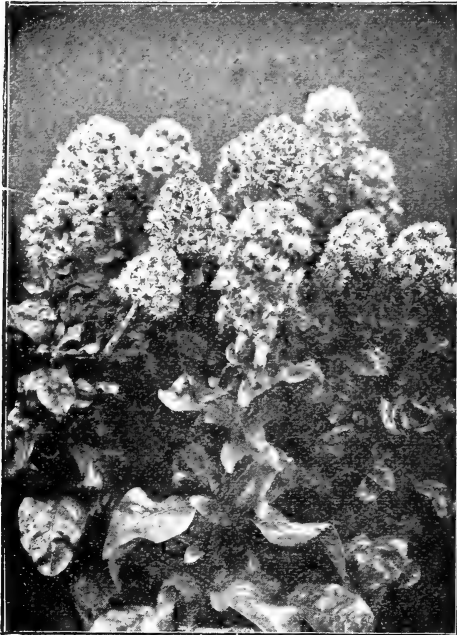
**Choice Mixed.**—**Per pkt. 5c.**

#### MIGNONETTE

The delightful fragrance of the Mignonette makes it a universal favorite. Sow seed in the fall for early blossoms in the spring. Valuable for potting, bedding or for border. The flowers are not attractive except for their fragrance.

**Grandiflora Ameliorata.**—Immense spikes of deep red flowers freely produced on sturdy plants of somewhat dwarf habit, height 15 inches. **Per pkt. 5c.**

**Victoria.**—Flowers of a deep red color well formed spikes, height 1 foot. **Per pkt. 5c.**

**Mignonette**

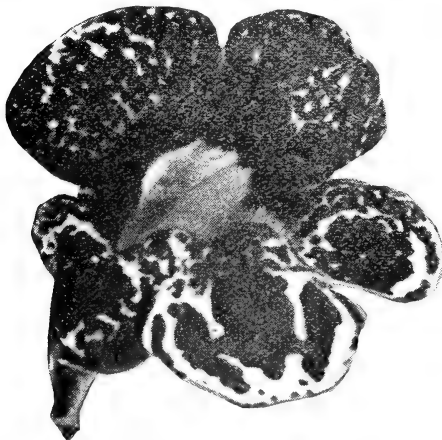
**Mignonette Defiance.**—Long spikes of whitish flowers and compact growth, height 15 inches. **Per pkt. 10c.**

**Parsons White.**—Very fine strain of white Mignonette; some tinted flowers always appear; height 18 inches. **Per pkt. 5c.**

**Goliath.**—Robust growing variety with enormous spikes of red colored flowers, height 15 inches. **Per pkt. 10c.**

**Machet.**—True dwarf-growing variety enormous spikes of beautiful, deep reddish crimson flowers, height 1 foot. **Per pkt. 5c.**

**Odorata.**—Sweet scented, very fine strain, height 1 foot. **Per pkt. 5c.**

**MIMULUS (Monkey Flower)**

A class of magnificent dwarf, hardy perennials, with singularly shaped and beautifully marked flowers adapted for pot or border culture, thriving well in a moist location.

**Cardinalis.**—Very showy, scarlet flowers, height 1 foot. **Per pkt. 10c.**

**Tigrinus.**—Fine spotted and blotched flowers with yellow ground, height 9 inches. **Per pkt. 10c.**

**Tigrinus Queen's Prize.**—Enormous flowers, beautifully spotted and blotched in various colors, height 1 foot. **Per pkt. 15c.**

**Moschatus (Musk Plant).**—Fine for hanging baskets, etc. Small yellow flowers. Fragrant foliage. **Per pkt. 5c.**

**MINA LOBATA**

An attractive and free flowering half hardy climbing annual; at first the buds are a vivid red, changing to orange yellow; flowers when fully expanded are creamy white. **Per pkt. 10c.**

**MORNING GLORY**

Free flowering, beautiful climbers with rich and varied colored flowers, very useful for covering lattice work, verandas, etc., where they are exceedingly effective. All are easily cultivated and grow quickly under favorably conditions.

**Major Tall Mixed.**—**Per pkt. 5c.**

**Minor Dwarf Mixed.**—A beautiful hardy bedding and border plant attaining a height of about 1 foot. **Per pkt. 5c.**

**MOMORDICA BALSAMMA (or Balsam Apple)**

A climbing annual growing about 10 feet long, has graceful and ornamental foliage, yellow flowers, and warted golden yellow fruit with carmine-red seeds.

**Mixed.**—**Per pkt. 5c.**

**Charantia (or Balsam Pear).**—Similar to the preceding except the fruit is pear shaped. **Per pkt. 5c.**

**NASTURTIUMS**

**Culture.**—To grow Nasturtiums well and secure a fine display of flowers, it is necessary that the soil in which they are grown be very poor and dry, otherwise a superabundance of foliage will be produced to the exclusion of the flowers. Lime rubbish is very suitable for mixing with the soil to make it poor.

Tall, showy climbers of quick growth, useful for covering trellises, rustic work, etc.

**Butterfly.**—Light yellow, with blotch of deep red on the lower petal. **Per pkt. 5c (oz. 10c) (¼ lb. 30c).**

**Crystal Palace.**—Bright orange-scarlet with bronze markings. **Per (pkt. 5c) (oz. 10c) (¼ lb. 30c).**

**Chameleon.**—A most remarkable Nasturtium. The markings and colors of the flowers on a single plant vary from sulphur yellow to deep crimson, while others are beautifully spotted or marbled. **Per (pkt. 5c) (oz. 10c) (¼ lb. 30c).**

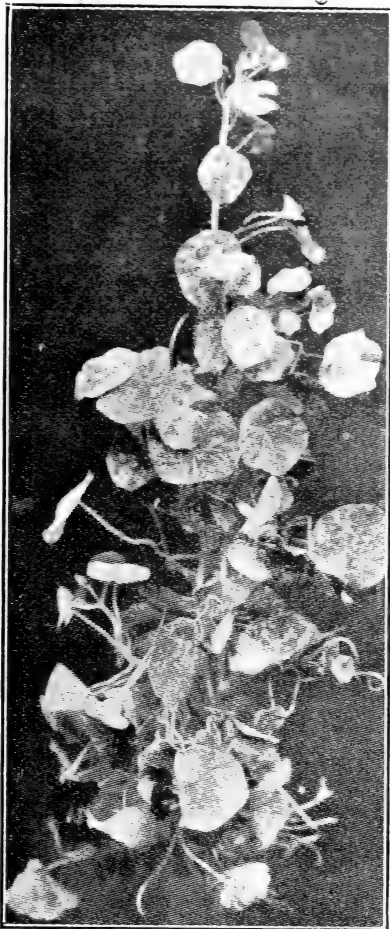
**Dunnets Orange.**—Deep orange, marked with crimson blotches. **Per (pkt. 5c) (oz. 10c) (¼ lb. 30c).**

**Midnight.**—Flowers are of deep brownish red. The soft velvety texture of the petals being crumpled or partially folded. Foliage dark green. **Per (pkt. 5c) (oz. 10c) (¼ lb. 30c).**

**Sunlight.**—Flowers are clear golden yellow of the largest size. **Per (pkt. 5c) (oz. 10c) (¼ lb. 30c).**

**California Giant Mixed.**—This mixture is composed of the finest and most distinct varieties in this grand free flowering type. **Per (pkt. 5c) (oz. 15c) (¼ lb. 50c).**

**Choice Mixed.**—Of many bright colors, very effective. **Per (pkt. 5c) (oz. 10c) (¼ lb. 30c).**

**Nasturtium Tall****NASTURTIMUS DWARF**

The dwarf varieties are of great value as bedding plants as they make a very brilliant display with the least amount of trouble.

**New Scarlet.**—Geranium-leaved, is of compact dwarf growth, bright scarlet flowers, leaves of unusual thickness, a plant desirable for beauty and also for its fine qualities as a salad plant. (Pkt. 5c) (oz. 10c).

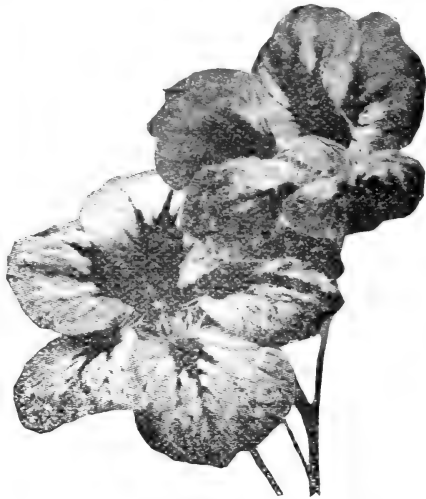
**Crystal Palace Gem.**—Primrose colored flowers, blotched maroon, height 1 foot. Per (pkt. 5c) (oz. 10c) (¼ lb. 30c).

**Chameleon.**—A dwarf form of the Tall Chameleon, flowers equally bright. On one plant the colors vary in the same extraordinary manner as in tall variety, height 1 foot. Per (pkt. 5c) (oz. 15c) (¼ lb. 50c).

**Empress of India.**—Flowers crimson scarlet, dark green foliage, height 1 foot. Per (pkt. 5c) (oz. 10c) (¼ lb. 30c).

**King Theodore.**—The darkest dwarf variety, deep maroon, foliage very dark green, height 1 foot. Per (pkt. 5c) (oz. 10c) (¼ lb. 30c).

**Lady Bird.**—Flowers boldly marked with dazzling scarlet on a golden-yellow ground, splendid dark foliage, height 1 foot. Per (pkt. 5c) (oz. 10c) (¼ lb. 30c).

**Nasturtium Lady Bird**

**Othello.**—Dark maroon flowers, height 1 foot. Per (pkt. 5c) (oz. 10c) (¼ lb. 30c).

**Pearl.**—Flowers creamy white, height 1 foot. Per (pkt. 5c) (oz. 10c) (¼ lb. 30c).

**Ruby.**—Charming rosy-carmine flowers, dark foliage, height 1 foot. Per (pkt. 5c) (oz. 10c) (¼ lb. 30c).

**Fine Mixed.**—A combination of all the dwarf varieties; makes a grand display in a large bed. Per (pkt. 5c) (oz. 10c) (¼ lb. 30c).

**NASTURTIIUM (Lilliput Type)**

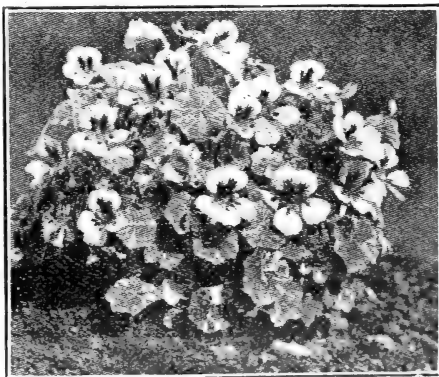
A distinct race of dwarf Nasturtiums, remarkable for its profusion of brilliant flowers, which are thrown well above the small foliage, and for its neat, compact habit.

**Baby Rose.**—Flowers pure white ground, with deep rose markings, a most beautiful variety, height ¾ foot. Per (pkt. 5c) (oz. 20c) (¼ lb. 50c).

**Lady Cherry.**—Foliage unusually dark, flower a rich cherry, height ¾ foot. Per (pkt. 5c) (oz. 20c) (¼ lb. 50c).

**Fairy King.**—Flower ecru rose color, height ¾ foot. Per (pkt. 5c) (oz. 20c) (¼ lb. 50c).

**Mixed.**—A combination of the above varieties, excellent for ribbon borders or edging. Per (pkt. 5c) (oz. 20c) (¼ lb. 50c).

**Nasturtium Dwarf Variegated Leaved**

**NASTURTIUM VARIEGATED LEAVED**

Perfectly compact race, with bright green foliage prettily variegated with creamy white, above which the flowers show to great advantage. The plants are quite ornamental, before and after flowering.

**Dwarf Variegated Mixed.**—All dwarf variegated colors, mixed. Per (pkt. 5c) (oz. 20c) (¼ lb. 50c).

**Tall Variegated Mixed.**—Per (pkt. 5c) (oz. 20c) (¼ lb. 50c).

**Dwarf Golden Foliage Mixed.**—A striking and most desirable type for bedding or potting. Per (pkt. 5c) (oz. 20c) (¼ lb. 50c).

**NASTURTIUM ICY LEAVED FOLIAGE**

A new and most desirable strain of the Nasturtium family. The leaves are a delicate English Ivy leaved form, while the flowers are elegantly fringed and make a most brilliant display on lawns where they are easily kept within bounds.

**The Princess Ivy Leaved.**—The flowers are pale primrose with the most vivid scarlet markings. A novel and beautiful combination. For potting or window or bedding plant it is difficult to excel. Per (pkt. 10c) (oz. 25c) (¼ lb. 75c).

**Ivy Leaved Dwarf Mixed.**—Per (pkt. 5c) (oz. 20c) (¼ lb. 60c).

**Ivy Leaved Tall Mixed.**—Per (pkt. 5c) (oz. 20c) (¼ lb. 60c).

**NEMOPHILA**

A hardy annual growing about 6 inches high. Has small cup-shaped blossoms about an inch in diameter, in white and shades of blue.

**Insignis.**—Beautiful bright blue. Per pkt. 5c.

**Insignis Alba.**—A pure white flowered variety. Per pkt. 5c.

**Maculata.**—White flowers, spotted with deep violet. Per pkt. 5c.

**Mixed.**—Per pkt. 5c.

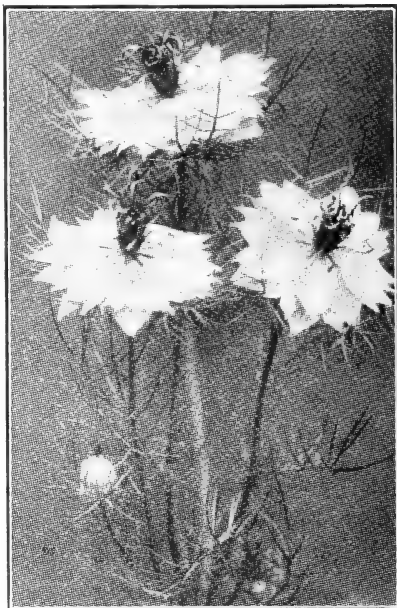
**NICOTIANA (Sweet Scented Tobacco)**

Handsome and well known hardy annual that grow easily from seed, forming compact bushes from 2 to 3 feet high, which are in continuous bloom throughout the season. The flowers are tube shaped and very sweet.

**Affinis.**—A very popular sort; its flowers are pure white and exquisitely fragrant. Profuse bloomer. Per pkt. 5c.

**Sanderea.**—A new large flowering variety with bright carmine flowers borne in clusters, the whole plant being literally ablaze with them. Thousands being on a single plant during the season. The glorious effect in the garden is unsurpassable, height 2 feet. Per pkt. 10c.

**Grandiflora Purpurea.**—Reddish-purple flowers. A robust ornamental variety, excellent for sub-tropical garden, height 5 feet. Per pkt. 5c.

**NIGELLA (Love-in-a-mist)**

One of the most attractive annuals. The plants are extremely hardy and an autumn sowing produces the best specimens for flowering.

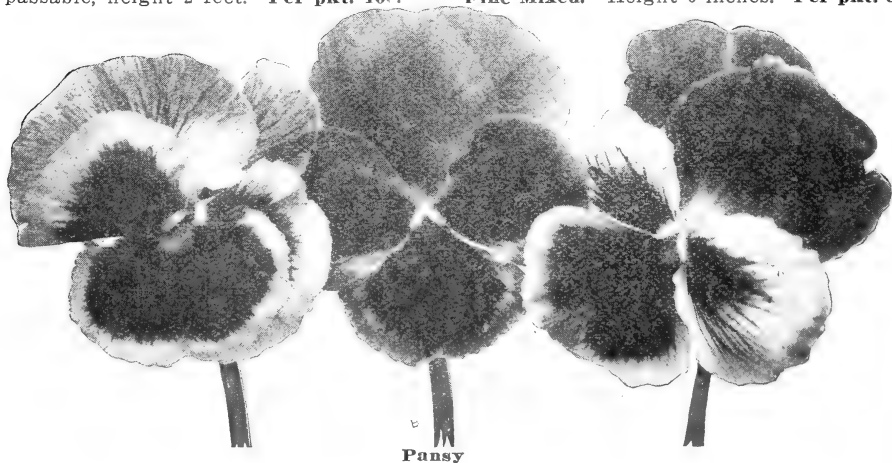
**Miss Jekyll.**—A lovely variety giving an abundance of long stemmed flowers which are of a clear corn-flower blue prettily set in slender elegant foliage, height 18 inches. Per pkt. 5c.

**Alba Double Dwarf.**—White, height 6 inches. Per pkt. 5c.

**OENOTHERA (or Evening Primrose)**

An attractive hardy perennial border plant of dwarf compact habit, producing an abundance of bright showy flowers, in white, pale yellow, rose, etc. Of very easy culture, preferring a light dry soil.

**Fine Mixed.**—Height 6 inches. Per pkt. 5c.



Pansy

Pansies thrive best in a cool, moist, but well drained soil, enriched with well rotted manure or fine ground bone. The finest blooms are to be obtained by sowing seed in July or August, which will give an abundance of bloom from December onward through spring and summer. We pay special attention to Pansies—importing the seed direct from the best growers in Europe and the varieties quoted we particularly recommend.



**Pansy Giant Andromeda**

**Pansy: New Giant Curled Andromeda.**

—A charming new strain of Pansy with elegantly frilled flowers, some so full as to appear double. The color is a very delicate apple-blossom, generally showing a soft lavender blue or rosy lilac hue, rendered still more effective by a somewhat darker veining. The blooms are of immense size, with grand substance and free from any coarseness of flimsiness. Unusually true to color from seed. A decided acquisition. **Per Pkt. 20c.**

**Giant White.**—Very large, well formed white flowers with dark purple eye. **Per pkt. 10c.**

**Giant Pale Blue.**—Gigantic blooms of a delicate mauve-blue shade with paler center, freely produced on compact plants. **Per pkt. 10c.**

**Giant Yellow.**—Immense flowers, brilliant in color and of excellent form. **Per pkt. 10c.**

**Giant Yellow (Black Eye).**—Large handsome flowers of a rich yellow with black eye. **Per pkt. 10c.**

**Giant White (Black Eye).**—Large well formed flowers with black center. **Per pkt. 10c.**

**Snowflake.**—Large flowers of pure white. **Per pkt. 5c.**

**Faust (King of Blacks).**—Large, well formed, glossy, black flowers. The plants are compact and bloom for a long time. **Per pkt. 5c.**

**Emperor William (Ultramarine Blue).**—Of fine texture, very showy. **Per pkt. 5c.**

**Lord Beaconsfield.**—Purple-violet upper petals shading off to a light tint. Flowers large. **Per pkt. 5c.**

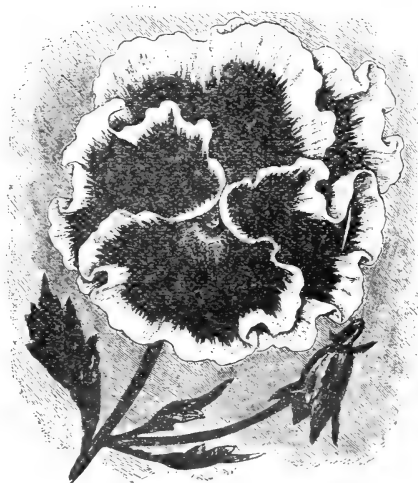
**Violet Purple.**—Handsome flowers of a rich purple. **Per pkt. 5c.**

**Madam Perret.**—Striking and distinct variety of unusually compact habit. The lower petals are generally of canary-yellow, white or rose-pink marked with purple or crimson. The upper petals bright red and deep purple or outlined with a margin of white. **Per pkt. 5c.**

**Mahogany Colored.**—Very rich and velvety. **Per pkt. 5c.**

**Gold Margined.**—A strikingly handsome variety. **Per pkt. 5c.**

**Pansy Psyche.**—Not many of the Pansy varieties have such a winning appearance as Psyche. The plant is perfect in habit and very floriferous. Each flower is elegantly curled and undulated, and in every respect a beauty in form and color. The characteristic five velvety, violet blotches are surrounded by a broad white edge. It is in every way an ideal exhibition or market Pansy. **Per Pkt. 15c.**



**Pansy Psyche**

**Silver Edged.**—Splendid deep purple flowers; petals evenly laced with narrow silver margin. **Per pkt. 5c.**

**Striped and Mottled.**—Large flowers handsomely striped and mottled. **Per pkt. 5c.**

**Masterpiece Exhibition.**—The finest strain of Pansies in cultivation, saved only from the largest and best shaped flowers of the richest colors which are elegantly curled and undulated, some so full as to appear double. **Per pkt. 25c.**

**Masterpiece Germania.**—Not quite so large as our Masterpiece Exhibition, but of the same type. For bedding, this mixture gives a most striking effect. **Per pkt. 15c.**

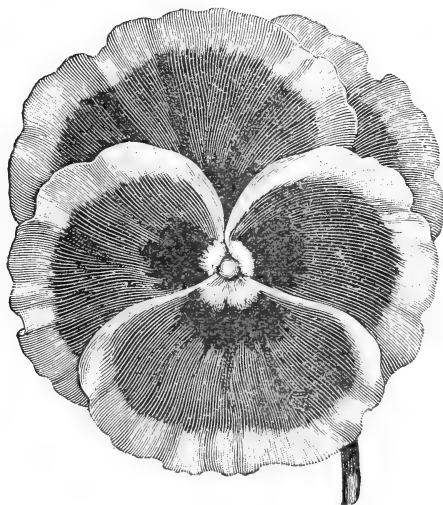
**Trimardeau or Giant Mixed.**—A very showy class of vigorous compact growth, flowers of an enormous size, finest strain. **Per pkt. 10c.**

**Parisian Large Stained Mixed.**—Beautiful improved strain of Trimardeau Pansies, mostly white ground and fine blotched varieties. **Per pkt. 10c.**

**Bugnots Superb Blotched.**—Very beautiful class, of enormous flowers with broad blotches, many having the two upper petals finely lined, showing a great diversity of handsome and rare colors. **Per pkt. 15c.**

**Cassiers Large Flowered Blotched.**—The largest flowered class of blotched Pansies. An incomparable strain, producing many beautiful and rare varieties. **Per pkt. 15c.**

**Pansy Giant Eros.**—This grand novelty produces very large flowers of a deep velvety brown color, with a broad golden yellow margin. The chief characteristic of this variety is that the back of each bloom has the same broad margin as the front side, while the dark velvety center is shining through, so that a bed of this lovely Pansy has an appearance of being especially full and rich flowering. This peculiarity renders Pansy Eros most valuable for groups and bedding, giving them a uniform aspect from all sides. **Per Pkt. 15c.**

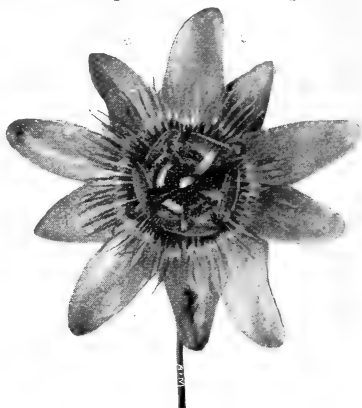


**Pansy Giant Eros**

**French Large Flowered Mixed.**—An excellent strain. **Per pkt. 5c.**

**Odier Mixed.**—Extra choice; very fine strain of three and five blotched show pansies. **Per pkt. 5c.**

**English Mixed.**—The old faced Pansy plant of compact habit. **Per pkt. 5c.**



**Passion Flower**

#### **PASSION FLOWER**

A hardy perennial climber, very satisfactory for immense growth as it will cover a porch or small cottage in one season

**Alba.**—Pure white. **Per -kt. 10c.**

**Cœrulea Grandiflora.**—Sky-blue. **Per pkt. 10c.**

**Red.**—Flowers of brilliant scarlet. **Per pkt. 10c.**

**Pink.**—**Per pkt. 10c.**

#### **PENTSTEMON**

Are among the best hardy perennials. The flowers are large and beautifully marked, tubular in shape and produced in handsome spikes. Height 2 feet.

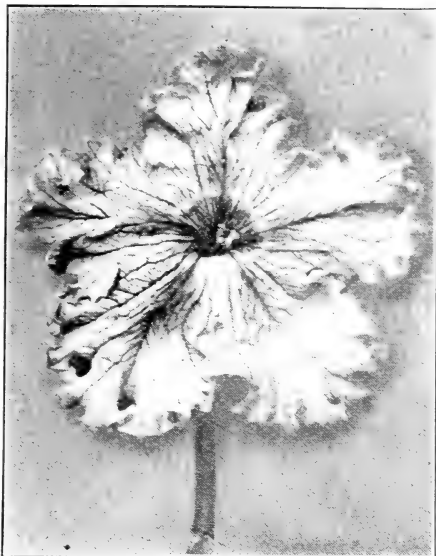
**Hartwegi Hybrida Mixed.**—The large Gloxinia shaped blooms vary from pure white, pink, rose, and crimson to mauve and purple, including many which are beautifully edged with a fine contrasting color. **Per pkt. 10c.**

#### **PETUNIA**

A splendid race of plants, rich and varied colors, and profuse flowering with their charming and tender looking flowers, they are very beautiful for groups in the open. For pot culture also, Petunias are almost unsurpassed. Sow seed early in spring, scatter thinly on an even surface and barely cover the seed with sand. If intended for the open ground prick out into a frame to be kept till planting-out time. If for pots, put singly into small pots in strong rich soil mixed with sand and shift as the plants grow larger.

**Giants of California Single.**—The largest of all Petunias having gigantic flowers with beautifully veined throats. **Per pkt. 15c.**

**Superb Double Fringed Mixed.**—One of the finest strains of Petunias in existence. The double flowers are very large, full, and symmetrically formed, having the edges of the petals beautifully fringed. **Per pkt. 35c.**

**Petunia Giants of California**

**Inimitable Single Striped and Blotched.**—Twice the size of the ordinary Petunias. Bold violet and white markings. **Per pkt. 10c.**

**Frimbriata.**—The most imposing Petunia yet introduced. Large finely frimbriated flowers of a great diversity of charming colors. **Per pkt. 20c.**

**Grandiflora Single Mixed.**—Exceedingly handsome and free flowering, containing the greatest variety of colors yellow throated, veined and blotched, and selfs. Very large flowers. **Per pkt. 25c.**

**Hybrida Fine Mixed.**—The best Petunia for massing in beds and borders, yielding a profusion of brilliantly marked flowers. **Per pkt. 5c.**

**Phlox****PHLOX**

Beautiful and highly popular hardy annual, suitable for bedding or for early flowers in the spring.

**Drummondii Grandiflora Alba.**—Pure white flowers, very large and perfectly formed. Height 2 feet. **Per pkt. 10c.**

**Coccinea.**—Habit similar to Alba. Color brilliant scarlet, flowers profusely. Height 2 feet. **Per pkt. 10c.**

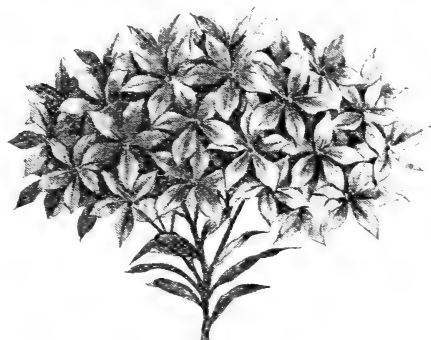
**Isabellina.**—A splendid strain of Phlox, flowers of a soft Primrose color. Height 2 feet. **Per pkt. 10c.**

**Splendid Mixed.**—Saved from a choice collection of show flowers of fine form and rich colors. **Per pkt. 10c.**

**Drummondii (Dwarf Snowball).**—A dwarf, compact and very free blooming Phlox, Flowers large and pure white. An excellent companion to Fireball. Height 1 foot. **Per pkt. 10c.**

**Drummondii Fireball.**—Habit similar to the Snowball, color brilliant red, flowers profusely. This and Snowball are two of the most effective varieties of Phlox in existence. Height 1 foot. **Per pkt. 10c.**

**Drummondii Dwarf Mixed.**—A selection of brilliant colors, strongly recommended for beds, edgings, or borders. **Per pkt. 10c.**

**Plox Stella**

**Cuspidata (of Star Phlox Stella).**—A splendid variety with bright scarlet flowers, a color which strongly resembles that of the popular dwarf sort Fireball. Excellent for dwarf groups and for pots. Height 1 foot. **Per pkt., 15c.**

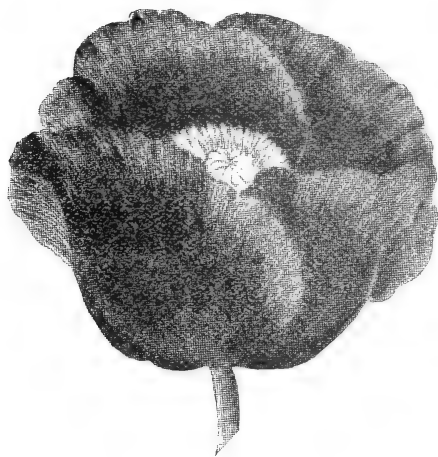
**Finest Mixed.**—**Per pkt. 10c.**

**Perennial.**—Indispensable for border plant, seed saved from the finest bright colored flowers. Height 2 feet. **Per pkt. 10.**

**POPPIES**

The different varieties of Poppies are always favorites for outdoor display and the cultivation of them being so extremely simple entitles them to a place in every garden. Seed should be sown where the plants are intended to flower, because it is difficult to transplant them with any measure of success. During March or April sow in lines or groups and then to about 1 foot apart.

**Admiral.**—Large pure white, single peony flowered variety, with band of brilliant scarlet around the top. **Per (pkt. 5c) (oz. 35c).**

**Poppy King Edward**

**Poppy King Edward.**—With this new novelty we have another splendid addition to the rich collection of single annual Poppies; growing  $2\frac{1}{2}$  feet in height they bring forth in great profusion large flowers of a deep scarlet, shaded crimson red of gorgeous effect, which is heightened by the large black blotch adorning each petal for half its length from the base. From this sable hue the yellow anthers stand out in appropriate contrast, highly ornamental and effective in groups or border decorations. Per Pkt. 15c.

**Danebrog or Danish Cross.**—Very showy variety, producing large flowers of brilliant scarlet, with a silvery-white spot on each petal, forming a white cross. Per (pkt. 5c) (oz. 20c).

**Glaucum (Tulip Flowered.)**—Beautiful variety, producing flowers of the most vivid scarlet, effective for beds or masses. Per (pkt. 5c) (oz. 20c).

**Charles Darwin.**—Handsome flowers of a rich dark purple, with a large velvety black spot proceeding from the base of each petal. A dense wreath of white anthers produces a fine contrast with the extraordinary color of the petals. Per pkt. 15c.

**Poppy Charles Darwin**

**Mikado.**—Effective double poppy with deeply lacinated petals; white at the base, shading off to pink and rose above. Per (pkt. 5c) oz. 25c).

**Carnation Double Mixed.**—Choice assortment of brilliant colors. Flowers very double and well fringed. Per (pkt. 5c) oz. 20c).

**Pacony Flowered Double Mixed.**—Imposing double globular flowers. Well adapted for shrubberies and large borders. Per (pkt. 5c) oz. 20c).

**Shirley.**—The most charming poppy in cultivation. The blossoms are bright and showy and include an almost endless variety of colors, from pure white, pink, terra cotta, salmon, chamois, and rosy carmine, to brilliant crimson, many of the flowers being beautifully flaked or edged with white. Per (pkt. 5c) (Oz. 25c).

**Poppy Shirley****Poppy Charles Darwin**

**Umbrosium.**—Dwarf habit, bright crimson flowers, distinctly spotted with black. Per (pkt. 5c) oz. 20c).

**Nudicaule (Iceland Poppy).**—A beautiful class of dwarf Perennial Poppies, which if sown in March will flower the same year. The blossoms are bright and showy, borne on slender stems about 1 foot high. Useful for cutting and the flowers exhale an agreeable perfume.

**Nudicaule Yellow.**—Per (pkt 5c) oz. 50c).

**Mixed Colors.**—Per (pkt. 5c) (oz. 45c).

**Virginian Poppy.**—This new large flowering Poppy of the annual class produces beautiful large, white flowers with fringed soft pink edge. Cut flowers in vases, etc., are of quite a charming effect, and are for this purpose especially recommendable as they are very lasting when cut in the morning, as a color-showing bud. Per Pkt. 10c.



Poppy Virginia

**Alpinum (Alpine Poppy).**—A charming little Poppy with bright flowers resembling those of the Iceland Poppy, but the plants are more dwarfed. Excellent for sunny borders or rock work. Height 6 inches. Per (pkt. 10c ( $\frac{1}{4}$  oz. 75c).

#### PORTULACA

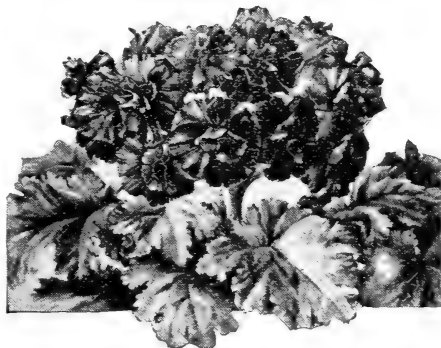
Beautiful race of dwarfed plants for rock work or dry sunny locations, bearing glossy cup-shaped blossoms in brilliant colors.

**Double Mixed.**—Saved from the finest flowers only, and will produce a large percentage of doubles. Per pkt. 10c.

**Single Mixed.**—Large flowers. Per pkt. 5c.

#### PRIMULA

Charming profuse blooming plants, indispensable for winter and spring decoration in the house. For a succession of blooming plants sow the seed from March to May and again in July or August. In planting, cover the seed lightly and keep moist, transplant when the second leaf appears and keep repotting the plants as they grow and increase in size.



Primula

**Chinensis Fimbriata Mixed.**—Beautiful fringed flowers of gigantic size and great substance. Foliage elegantly curled. Per pkt. 25c.

**Chinensis Stellata or (Star Primula) Mixed.**—A distinct and beautiful class; will be found indispensable for general decoration work. The plants are very floriferous and bloom for a long period. Per pkt. 25c.

**Auricula.**—Choice mixed, saved from all the best sorts, embracing many delicate and brilliant shades. Per pkt. 10c.

**Japonica Mixed.**—Bright and snowy flowers, borne in whorls on stems 6 to 9 inches long. Per pkt. 10c.

#### PYRETHRUM

Handsome herbaceous plants of easy culture. Invaluable for bedding purposes, especially for ribbon borders.

**Golden Feather.**—Fine compact habit of growth, with bright yellow foliage, largely used for edgings and ribbon borders, height 9 inches. Per pkt. 5c.

**Selaginoides.**—A distinct form with moss-like foliage, quite as bright in color as the Golden Feather and does not flower till late in the season, height 6 inches. Per pkt. 5c.

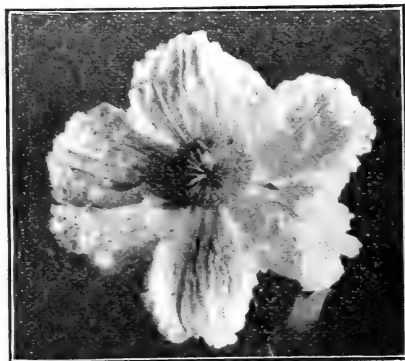
**Roseum.**—A hardy perennial, with red petaled flowers radiating from a golden yellow center. Bubach, or insect powder, is made from the dry leaves. Per pkt. 5c.

#### RICINUS (Castor Oil Plant).

These noble plants are highly ornamental and effective for sub-tropical gardens. Easily raised from seed, and should be grown in deep rich soil.

**Cambodgiensis.**—The main stem and leaf stalks are shining ebony, leaves large, regularly divided and richly colored. The foliage assumes different shades as the plant increases in size, so that very striking effects may be attained when planted in groups, height 1 foot. Per pkt. 5c.

**Ricinus Gibsoni.**—A very fine variety with rich, lustrous, red foliage, height 5 feet. Per pkt. 5c.

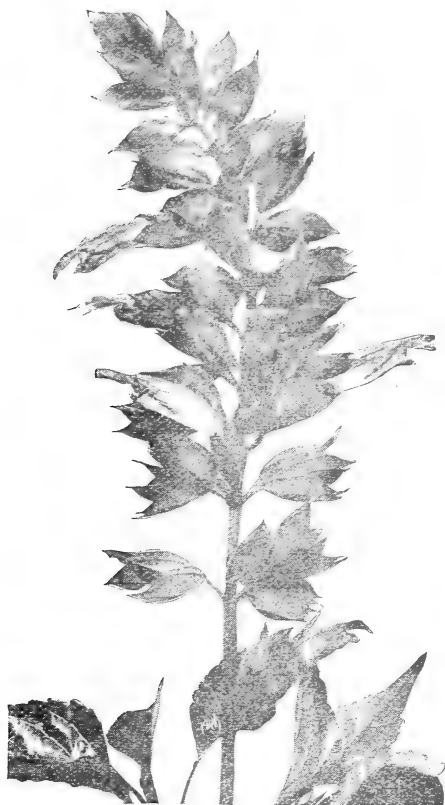


Romneya Coulterii

#### ROMNEYA COULTERII (California Tree Poppy)

Also well known as the Matilija Poppy. This fine perennial is of a supreme and stately beauty. It is of value as a cut flower (lasting well in water, and its delicate primrose-like perfume is most acceptable. The texture of the petals is extremely delicate indeed, half transparent. They never lose the crumpled folds that in the case of most poppies betoken newly opened state. The flowers are

large, four to five inches across, pure white, with a fine bunch of yellow stamens, resembling white, single peonies. Per pkt. 10c.



**Salvia**

**SALVIA (Flowering Sage)**

Among the most brilliantly colored of garden flowers and extremely useful for bedding; also valuable for pot culture. Blooms are borne in long spikes well above the foliage and continue in flower a long time.

**Splendens.**—Gorgeous plants, with numerous flowers, which are displayed with striking effect against the deep green foliage. A bed of this flower is exceedingly beautiful during the autumn height 2 feet. Per pkt. 5c.

**Patens.**—Valuable for bedding; bright blue flowers, height 2½ feet. Per pkt. 10c.

**Coccinea Lactea.**—A fine, pure white flowering variety, height 2 feet. Per pkt. 5c.

**SALPIGLOSSIS**

Highly ornamental half-hardy annual with large, veined, funnel-shaped flowers; much prized for cutting; very showy in beds or border. A bed of these beautiful plants is one of the most striking features of the garden during July and August.

**Grandiflora.**—Mixed. Per pkt. 10c.

**SCABIOSA**

Handsome border plants succeeding in any ordinary soil if well drained and in a sunny location, and should be grown where cut flowers are wanted. Will last a long time when picked and placed in water.



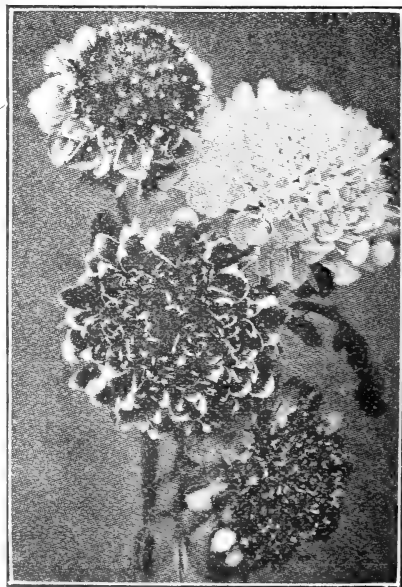
**Salpiglossis**

**Caucasia.**—A highly decorative variety. Flowers large and of a soft mauve or heliotrope color, height 2 feet. Per pkt. 10c.

**Snowball.**—Large heads of lovely pure white flowers, height 3 feet. Per pkt. 5c.

**Tall Double Mixed.**—Immense flowers, very double. Per pkt. 5c.

**Dwarf Double Mixed.**—Beautiful colors, very effective, height 12 inches. Per pkt. 5c.



**Scabiosa**

**SCHIZANTHUS**

Very beautiful and interesting annuals. Indispensable for green house and conservatory decoration or outdoor culture.

**Wisetonensis.**—A charming new variety, producing a profusion of bloom in continuous and successive crops. Flowers large and of various pleasing shades, height 2 feet. **Per pkt. 25c.**

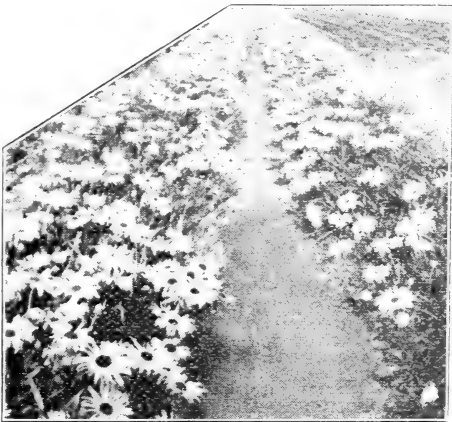
**Finest Mixed.**—A mixture of all the most showy varieties, height 2 feet. **Per pkt. 5c.**

#### SENSITIVE PLANT

An interesting plant, the leaves of which close when touched; elegant foliage; flowers pink. **Per pkt. 5c.**

#### SMILAX

A half hardy perennial climber, easily grown from seed. The slender, graceful stems and elegant bright foliage are unequalled for festooning, bouquets, or for table decoration. When cut the sprays remain fresh for a long period, height 8 feet or more. **Per pkt. 5c.**



Shasta Daisy

#### SHASTA DAISY

A hardy perennial plant; blooms more abundantly each season; multiplied by division of roots or sowing seed. They bloom for several months in great abundance. The flowers are large and graceful, with three or more rows of pure white petals. Valuable for cutting, height 10 inches. **Per pkt. 10c.**

#### STATICE (Sea Lavender)

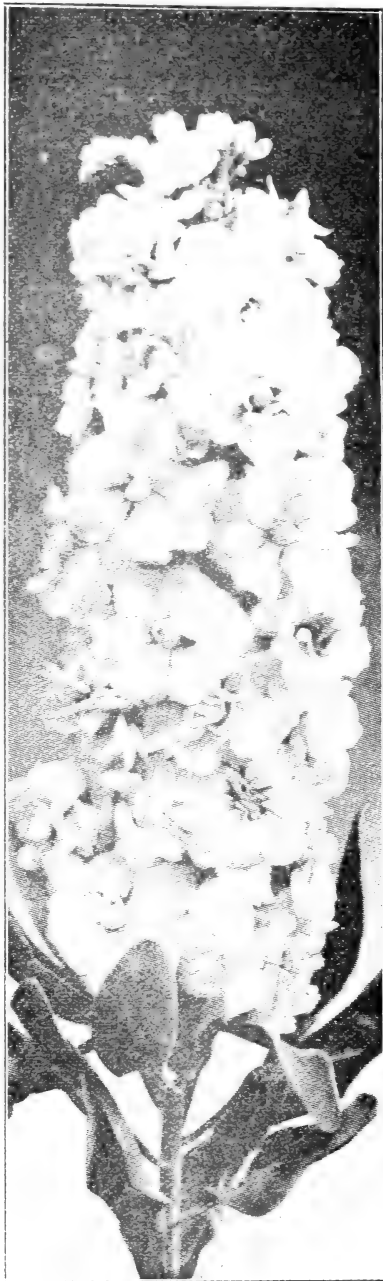
Splendid hardy perennials, with tufted grass-like foliage, from which issue long stems terminating with large globular heads of rose pink flowers. Sometimes called sea pinks.

**Suvorowi.**—Flowers bright rose color. Valuable for winter bouquets. **Per pkt. 5c.**

#### STOCKS

The Stock is one of the many popular plants used for bedding. For brilliancy and diversity of color, fragrance, profusion and duration of bloom it is unsurpassed. Hardy annual.

**Nice Early Large Flowering Winter Stock**



Stock Mont Blanc

**Stock Mont Blanc.**—This is indeed a wonderfully fine type of the largest flowering German Stocks. The plants are robust in habit, have long vigorous flower stems covered with very large and fully double snow-white sweet-scented flowers. With good culture and feeding

with a little liquid manure, one can obtain gigantic bouquets. Like all the nice section, this variety can be cultivated either as a summer or as a winter Stock, and owing to its unrivalled freedom of bloom will be found excellent for bedding or for culture. **Per Pkt. 20c.**

**Giant Beauty of Nice.**—A fine branching Stock excellent for winter decoration if sown in July or August, producing an abundance of delicate flesh pink spikes of double flowers, height 2 feet. **Per pkt. 10c.**

**Giant Queen Alexander.**—Similar to the above except in color, which is rosy-lilac. **Per pkt. 15c.**

**Giant Crimson King.**—A very handsome variety producing beautiful long spikes of bloom, of a rich crimson color. **Per pkt. 15c.**

**Giant Almond Blossom.**—A very conspicuous and handsome Stock of quick growth with flowers of a very large size. The color is white shaded carmine giving a very pleasing effect. **Per pkt. 15c.**

**Empress Elizabeth.**—A very choice variety giving an abundance of carmine pink spikes of double flowers, height 15 inches. **Per pkt. 10c.**

**PERPETUAL OR BRANCHING**  
Cut and come again, 10 weeks; are especially valuable during summer and winter for cut flowers. They grow out numerous side branches, all bearing very double fragrant flowers.

**Princess Alice.**—A very fine ten weeks Stock producing large spikes of beautiful white flowers. Excellent for cutting. **Per pkt. 10c.**

**Carmine.**—A striking variety with deep crimson flowers. **Per pkt. 10c.**

**Chamois.**—Worthy a place in every garden for its fine trusses of large flowers of a charming buff-pink. **Per pkt. 10c.**

**Shining Purple.**—Free flowering and will be valued where cut flowers are required. **Per pkt. 10c.**

**Apple Blossom.**—Exceedingly choice flowering variety. The long spikes of apple-blossom flowers are produced on plants of compact habit. **Per pkt. 10c.**

**Perpetual or Branching Mixed.**—Finest assorted colors. **Per pkt. 10c.**

**Dwarf German Ten Weeks.**—Finest mixed brilliant colors only. **Per pkt. 10c.**

**Dwarf German Ten Weeks.**—Finest mixed brilliant colors only. **Per pkt. 10c.**

**Giant Perfection Ten Weeks Mixed.**—A wonderful type of the largest flowering German Stocks of strong growth, branching habit, very large and fully double flowers, the plants growing to a height of 15 to 18 inches. **Per pkt. 10c.**

**Large Flowering Dwarf Ten Weeks Mixed.**—A fine type of the ordinary large flowered strain. A large percentage of the flowers coming double. **Per pkt. 10c.**

**Brompton or Winter Finest Mixed.**—These varieties give a large percentage of double flowers of a pleasing combination of colors. Plants of a compact habit. **Per pkt. 10c.**

#### SUNFLOWER (Helianthus)

Stately hardy annuals of easy culture, very effective in mixed borders, shrubberies, etc. The smaller flowered varieties being also useful for cutting.

**Californicus Double.**—Large, massive bright yellow flowers, height 6 feet. **Per pkt. 5c.**



Sunflower (Helianthus)

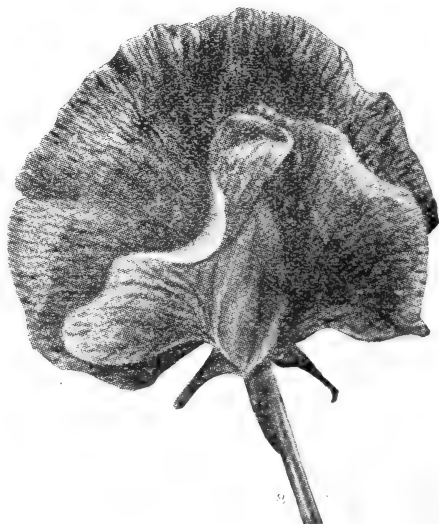
**Miniature.**—Very popular Sunflower of branching habit, producing in great abundance, small golden yellow flowers with black centers. Exceedingly valuable for cutting. Height 4 feet. **Per pkt. 5c.**

**Dwarf Miniature.**—Remarkably dwarf compact strain of this favorite flower; the plant forms perfect little bushes, thickly studded with blooms, height 12 inches. **Per pkt. 10c.**

**Double Dwarf.**—Very attractive variety covered with an abundance of golden yellow flowers, height 3 feet. **Per pkt. 5c.**

#### SWEET PEAS

The immense popularity of Sweet Peas is fully demonstrated by the many new and beautiful varieties which are introduced each year, embracing all the most charming shades imaginable. Those enumerated in the following selections including only the best large flowering up-to-date varieties, and they have been classified under their respective color heads in order to assist those who wish to make a selection.



Othello Spencer

## SWEET PEAS

## White

**Burpee's White Spencer.**—Very large, pure white flowers, beautifully waved. Per (pkt. 10c) (oz. 35c) (¼ lb. \$1.25).

**Nera Unwin.**—Large frilled white flowers. Per (pkt. 5c) (oz. 10c) (¼ lb. 30c).

**Dorothy Eckford.**—Large white flowers. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Emily Henderson.**—The most sturdy and vigorous white. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**White Wonder.**—Pure white, double, the best double white in existence. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Mont Blanc.**—Dwarf, early-flowering, white variety. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).



Senator Spencer

**Burpee's Earliest White.**—Best forcing variety. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Denzers White.**—Early forcing variety. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

## Light Pink, Almost White

**Modesty.**—White with tint of pink showing a trifle deeper on the edges. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Sensation.**—Standard very light pink and buff, wings pure white. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

## Pale Yellow and Primrose

**Burpees Primrose Spencer.**—Flowers unusually large, of a beautiful creamy yellow throughout both standard and wings. Per (pkt. 5c) (oz. 15c) (¼ lb. 50c).

**Hon. Mrs. E. Kenyon.**—Clear buff-yellow spreading flowers. Per (pkt. 5c) (oz. 10c).

**Sunbeams.**—Dwarf early flowering variety. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Stella Morse.**—The best cream and buff. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Coquette.**—Primrose yellow, shaded pale lavender. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Satin Queen Spencer (new).**—Very large, beautifully waved flowers of a delicate primrose color, with a tint of pink. Per pkt. 10c.

## Shades of Pink

**Florence Morse Spencer.**—Flowers light pink, extremely large, of the finest open wavy form. Per (pkt. 5c) (oz. 15c) (¼ lb. 50c).

**Prima Donna.**—A most lively shade of soft pink. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Katherine Tracy.**—Soft but brilliant pink. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Mrs. Routzahn Spencer.**—Flowers are of the largest size, thoroughly crumpled and waved, of the true Spencer type. The beautiful coloring is buff or apricot ground flushed and suffused with pink, deepening toward the edges of the standard. Per (pkt. 5c) (oz. 15c) (¼ lb. 50c).

**Royal Robe.**—Pure pink. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Blushing Beauty.**—Light pink with a suggestion of mauve. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Queen of Spain.**—Soft buff-pink. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Countess of Lathom.**—Cream ground suffused with pink, very charming color. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Venus.**—Exquisite creamy white, slightly flushed with rose. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

## Light Pink Shaded and Deeper Pink

**Counter Spencer.**—Very charming flower, pale pink with slightly larger edges. Standard wavy. Per (pkt. 5c) (oz. 15c) (¼ lb. 50c).

**Enchantress.**—Similar to Countess Spencer, but slightly darker in color. Per (pkt. 5c) (oz. 15c) (¼ lb. 50c).

**Gladys Unwin.**—Distinct frilled standard and open wings, pretty pale pink shade. Per (pkt. 5c) (oz. 10c) (¼ lb. 30c).

**Mrs. Alfred Watkins.**—Delicate rose-pink frilled flowers. Per (pkt. 5c) (oz. 10c) (¼ lb. 35c).

**Paradise.**—Delicate flesh pink, large frilled flowers. Per (pkt. 5c) (oz. 10c) (¼ lb. 35c).

**Lovely.**—Large, pink standard, delicate rose wings. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Janet Scott.**—Large, deep pink. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Hon. F. Bouverie.**—Standard flesh pink, wings rosy buff. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

## Rose Shades and Pink

**Apple Blossom Spencer.**—Blush wings with darker standard, large waved flowers. Per (pkt. 5c) (oz. 15c) (¼ lb. 50c).

**Blanche Ferry Spencer.**—Standard bright rose-pink, wings creamy white tinted with rose. Large waved flowers. Per (pkt. 10c) (oz. 25c) (¼ lb. 75c).

**Earliest of All.**—Valuable dwarf, rose and white variety for early forcing. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Blanche Ferry.**—The popular pink and white. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Ex. Ey. Blanche Ferry.**—10 days earlier than Blanche Ferry. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Triumph.**—Large, crimson-rose on white ground. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

## Orange Pink or Salmon Shades

**Aurora.**—Large flowers lightly flaked salmon on white ground. Very effective. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Helen Lewis.**—Fine flowers of very pleasing shades of orange-pink. (Pkt. 5c) (oz. 15c) (¼ lb. 50c).

**Henry Eckford.**—Very fine orange pink. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

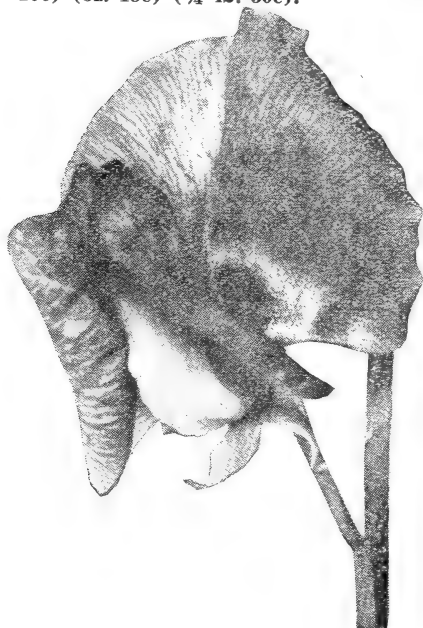
**Prince Edward of York Spencer (new).**—Pale salmon standard and rosy wings, large waved flower. Per pkt. 10c.

**Evelyn Byatt.**—Standard salmon-orange, wings rich salmon-pink. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Meteor.**—Pale salmon standard and rosy wings. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

#### Shades of Red

**King Edward Spencer.**—Immense, brilliant red flowers, waved petals. Per (pkt. 10c) (oz. 15c) (¼ lb. 50c).



**Queen Alexander Spencer**

**Ruby Spencer.**—Rich firey crimson flowers of large size and waved form. Per (pkt. 5c) (oz. 15c) (¼ lb. 50c).

**Salopian.**—Scarlet crimson, large flowers. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Mars.**—Bright red, of medium size. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**King Edward VII.**—Striking, scarlet crimson flowers, with well expanded wings. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Invincible Scarlet.**—Bright red. (Pkt. 5c) (oz. 10c) (¼ lb. 20c).

**America.**—Scarlet striped. Per (pkt. 5c) (oz. 10c) (¼ lb. 20c).

**Scarlet Gem.**—Almost a dazzling scarlet. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

#### Rose and Crimson

**Prince of Wales Spencer.**—Glossy, crimson-rose flowers of waved form. The vine is a very vigorous grower, and the stem usually bears four blossoms. This is the largest and finest variety of this shade of red. Per (pkt. 10c) (oz. 20c) (¼ lb. 75c).

**Mrs. Joe Chamberlain Spencer.**—White ground, flaked rose flowers of large size and waved form. Per (pkt. 5c) (oz. 15c) (¼ lb. 50c).

**Gaiety Spencer.**—Light magenta rose striped on white, large frilled flower. Per (pkt. 10c) (oz. 20c) (¼ lb. 75c).

**Geo. Herbert.**—Bright rose-carmine, large, open, wavy form. Per (pkt. 5c) (oz. 15c) (¼ lb. 50c).

**John Ingman.**—Bright rose red with frilled petals. Per (pkt. 5c) (oz. 15c) (¼ lb. 40c).

**E. J. Castle.**—Fine carmine rose, waved standard. Per (pkt. 5c) (oz. 15c) (¼ lb. 40c).

**Phyllis Unwin.**—Intense rosy carmine frilled flowers. Per (pkt. 5c) (oz. 15c) (¼ lb. 40c).

**Lord Roseberry.**—Handsome red flowers of fine form. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Mrs. Joe Chamberlain.**—Striped bright rose on white. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Jessie Cuthbertson.**—Primrose striped with rose. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

#### Lavender and Mauve Shades

**Juanita Spencer.**—Standard mauve, wings lavender, both striped on white; flowers of largest size and waved form. Per (pkt. 5c) (oz. 25c) (¼ lb. 75c).

**Mrs. Chas. Foster.**—A lovely shade of lavender, flowers large and beautifully waved, generally four flowers on a stem, a great acquisition. Per (pkt. 5c) (oz. 15c) (¼ lb. 40c).

**Frank Dolby.**—Fine pale mauve self with wavy standard. Per (pkt. 5c) (oz. 15c) (¼ lb. 40c).

**Lady Grisel Hamilton.**—A refined shade of pale mauve. (Pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Countess of Radnor.**—Delicate mauve-blue flowers. (Pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Juanita.**—Pale lavender striped on white (Pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Phenomenal.**—White, shaded rosy lavender, beautifully edged with rich purple, a distinct and beautifully variety. (Pkt. 5c) (oz. 15c) (¼ lb. 50c).

#### Light Purple and Blue

**Mrs. Walter Wright.**—Large mauve blue of fine form. Per (pkt. 5c) (oz. 15c) (¼ lb. 50c).

**Romolo Piazzani.**—Large flowers medium blue. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**A. J. Cook.**—Large mauve blue with waved standard. Per (pkt. 5c) (oz. 15c) (¼ lb. 40c).

**Emily Eckford.**—Bold lavender blue. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Dorothy Tennant.**—Deep rosy mauve, beautiful shade. (Pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Admiration.**—Delicate shade of rosy lavender. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

#### Blue and Purple

**Helen Pierce.**—Blue mottled on pure white unique. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Senator.**—Purplish maroon heavily striped on white ground. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Captain of the Blues.**—Standard is purplish mauve, wings are lavender-purple. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

#### Maroon Indigo and Violet

**Othello.**—Very dark maroon showing veins of almost black. Per (pkt. 5c) (oz. 10c) (¼ lb. 25c).

**Black Knight.**—Handsome glossy maroon flowers. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c).

**Black Knight Spencer.**—Immense waved flowers of a rich glossy maroon. Per (pkt. 10c) (oz. 25c) ( $\frac{1}{4}$  lb. 75c).

**Stanley.**—Chocolate purple, very large and handsome. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c).

**Navy Blue.**—The large flowers are of a deep glowing violet-purple. Per (pkt.

**A. & M. Prize Mixed.**—This choice mixture contains the best of the new and standard sorts. It is made up entirely of new and separate varieties, carefully proportioned as to its combination. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 50c.).

**Spencer Mixed.**—Splendid mixture of all the different Spencer type. Per (pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 45c).

**Unwin Mixed.**—This includes all the different varieties of the Unwin type. Per (pkt. 5c) (oz. 15c) ( $\frac{1}{4}$  lb. 35c) (lb. \$1.00).

#### CUPID OR DWARF SWEET PEAS

This class is quite distinct from the tall or climbing varieties. The compact plants attain a height of about 8 inches only and are admirably adapted for edging or borders.

**The Bride.**—Pure white. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c.).

**Blanche Ferry.**—Pink and white. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c).

**Beauty.**—Rose and white. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c).

**Bridesmaid.**—Pink. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c).

**Dorothy Tennant.**—Rose purple. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c).

**Stella Morse.**—Buff with tint of pink. Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 25c).

#### WINTER FLOWERING SWEET PEAS

A valuable race of early flowering Sweet Peas, which from a September sowing will give an abundance of bloom from Christmas onwards. On account of their delightful perfume Sweet Peas are particularly welcome during the days of winter.

**A. & M. Xmas White.**—Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00).

**A. & M. Xmas Pink.**—Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00).

**A. & M. Xmas Cream Pink.**—Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00).

**A. & M. Xmas Pink and White.**—Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00).

**A. & M. Xmas Primrose.**—Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00).

**A. & M. Xmas Red.**—Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00).

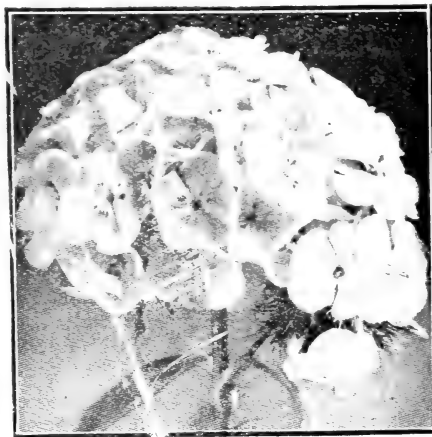
**A. & M. Xmas Blue.**—Per (pkt. 5c) (oz. 10c) ( $\frac{1}{4}$  lb. 30c) (lb. \$1.00).

#### SWEET WILLIAM

A very beautiful class of easily grown and very hardy plants of extreme richness and diversity of colors, delightfully sweet-scented. For cut flowers, they are not surpassed; height 1 to 2 feet.

**Single Mixed.**—Magnificent strain, flowers of large size, containing many attractive shades. Per pkt. 5c.

**Double Mixed.**—Carefully saved from double flowers. Per pkt. 5c.



Sweet William

#### THUNBERGIA

A hardy annual climber. Valuable for low fences, or hanging baskets. Prefers a sunny location. Blossoms are buff, orange, or white with dark centers.

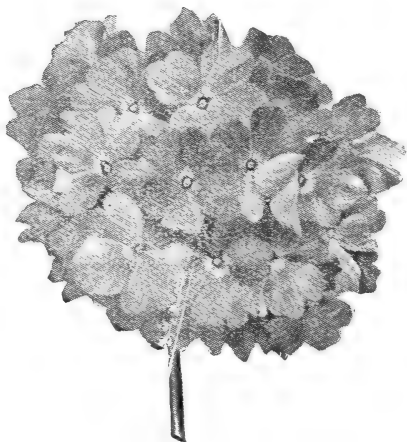
Mixed—Per pkt. 5c.

#### VERBENA

A well known, attractive, free flowering half hardy perennial, producing a splendid effect in beds and borders with their bright and varied flowers.

**Mammoth White.**—Dense heads of finely shaped large white flowers. Per pkt. 10c.

**Mammoth Blue.**—Showy; distinctive; fine for edgings. Per pkt. 10c.



Verbena Rose Queen

**Mammoth Pink.**—Although the color varies from shell-pink to deep salmon-pink, all the shades are very pretty and harmonious, and give a most beautiful effect. Per pkt. 10c.

**Mammoth Purple.**—Comes remarkably true from seed both in habit and color. Per pkt. 10c.

**Mammoth Striped.**—Beautiful, a rich collection. **Per pkt. 10c.**

**Mammoth Scarlet Defiance.**—Bright, rich scarlet; has small leaves. **Per pkt. 10c.**

**Mammoth Rose Queen (new).**—Large brilliant rose. A splendid bedding plant. **Per pkt. 20c.**

**Mammoth Mixed.**—Many attractive colors; large flowers in fine trusses. **Per pkt. 10c.**

**Venosa.**—A handsome hardy perennial, producing purple flowers; remains in bloom a long period. **Per pkt. 10c.**

**Lemon Scented.**—This favorite old sweet scented perennial may be readily raised from seed. The delightful lemons fragrance of the leaves is very refreshing and pleasant. **Per pkt. 10c.**

#### VINCA

Ornamental, free blooming plants for bedding. They flower from seed the first season, continuing until frost, or they may be potted and kept in bloom through the winter; excellent for cutting. Height 2 feet.

**Fine Mixed.**—**Per pkt. 5c.**

#### VIOLETS

Hardy perennial, blooming freely throughout the summer and autumn, of easy culture.

**Viola Cornuta Purple.**—Fine, rich, purple. **Per pkt. 10c.**

**Viola Cornuta White.**—Pure white flowers, freely produced. **Per pkt. 10c.**

**The Czar.**—Large, fragrant, deep violet flowers. **Per pkt. 10c.**

**Princess of Wales.**—Largest flowering, deep blue. **Per pkt. 10c.**

#### VIRGINIA CREEPER

A well known, hardy perennial climber of rapid growth, clinging to the side of whatever it may be grown against by the rootlets it throws out all along the stems. Height 50 feet. **Per pkt. 10c.**

#### WISTARIA

A tall, rapid-growing vine with feathery foliage and handsome flowers. The glorious blossoms, radiant in their inherent oriental splendor, are profusely borne in long drooping clusters in mid-spring and gleam in soft tones of violet-purple. Very showy and desirable and decidedly one of the best.

**Chinensis.**—Violet purple. **Per pkt. 10c.**

**Brachybotrys.**—Similar to the preceding except in color, which is pure white. **Per pkt. 10c.**

#### WALL FLOWER

These delightfully fragrant flowers are indispensable for every garden. Height 18 inches.

**Choice Double Mixed.**—A splendid selection, embracing a great variety of colors. **Per pkt. 10c.**

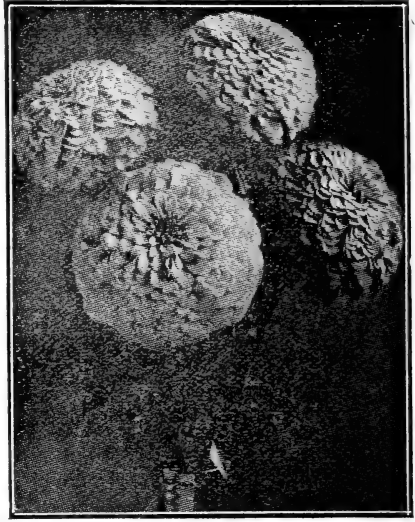
**Single Mixed.**—**Per pkt. 5c.**

#### ZINNIA

For gorgeous summer and autumn display, there is nothing that can equal in effectiveness the improved compact-growing, large-flowering Zinnias; grows only 2 feet high and bears flowers of immense size and of the most brilliant colors.

**Tall Double.**—The finest strain in cultivation; flowers large, well formed and the colors superb. **Per pkt. 5c.**

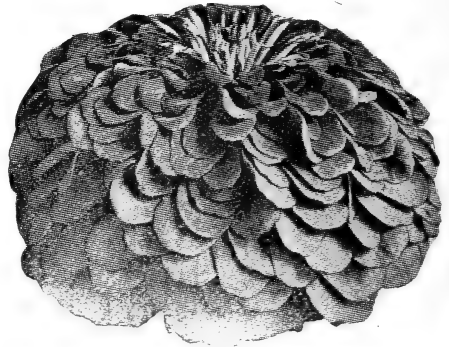
**Dwarf Double.**—A valuable class only about 15 inches high, very free blooming; flowers as large as the ordinary double Zinnia. **Per pkt. 5c.**



**Zinnia**

**Elegans Single Mixed.**—Height 2 feet. **Per pkt. 5c.**

**Haageana (Golden Star).**—A greatly improved variety of this too-little-known dwarf border plant. The rich orange star-like flowers produced on vigorous plants of compact growth are very effective. **Per pkt. 10c.**



#### Zinnia Grandiflora Robusta Plenissima.

—For gorgeous summer and autumn display there is nothing that can equal in effectiveness this splendid large flowered Zinnia. The plants are of extremely robust habit and send up numerous long firm stalks crowned with semi-globular and mostly very double flowers measuring 5 to 6 inches in diameter. With good culture, grand and long lasting effects can be produced in beds and borders with the three beautiful colors here offered:

Pure White. **Per Pkt. 15c.**

Scarlet Yellow. **Per kt. 15c.**

Golden Yellow. **Per Pkt. 15c.**

# Eucalyptus

## Special Department

We are headquarters for Eucalyptus, having on hand seeds of all the following varieties. We also issue a pamphlet of instructions how to grow the trees from seed. The pamphlet is free to all who are interested in Eucalyptus.



**Eucalyptus Tereticornis**

rapid grower, planted in warm countries on account of its malaria destroying qualities; the wood partakes of a very high polish resembling polished hickory when finished; also valued for wagon work; as for fuel it is one of the best, easily sawed and split; height 150 feet. (Oz. 50c) (lb. \$5.00).

**Goniocalyx (New South Wales Blue Gum).**—A very rapid grower; very tough and durable. In its native country it is used by wheelwrights; height 200 feet. (Oz. 80c) (lb. \$3.00).

**Gunnii (Tasmanian Cider Tree).**—One of the hardiest gums, recommended for all elevated and exposed positions; will stand considerable frost; good fuel; height 100 feet. (Oz. \$1.00) (lb. \$10.00).

**Gomphocephalia (Tuart).**—Wood of great strength, suitable for bridge work and where great strength is required; strongly recommended by Von Muller for ship building and bridge work; height 80 feet. (Oz. \$1.00) (lb. \$10.00).

**Lehmanni.**—A very hardy variety. Makes a fine avenue tree or wind break; does well at the beaches on the sand. (Oz. 75c) (lb. \$7.50).

**Leucoxyton (Victorian Iron Bark).**—Timber possessed of great strength and great durability, highly recommended for underground work in mines, railroad ties and bridges; height 150 feet. (Oz. 75c) (lb. \$7.50).

**Longifolio (Wollybutt).**—A tree of very erect and tall growth, good timber and makes excellent fuel; height 200 feet. (Oz. 75c) (lb. \$7.50).

**Marginata (Jarrah).**—A species of mahogany, considered the most durable and tough variety, used in Australia for telegraph and telephone poles. (Oz. \$1.00) (lb. \$10.00).

**Amygdalina (Messmate Gum).**—One of the tallest varieties in the world. In Gittsland, Australia, are trees over 400 feet in height. Makes first-class timber for flooring and frame work. (Oz. 75c) (lb. \$7.00).

**Calophylla.**—Ornamental, with white flowers, fine for avenue planting. Wood greatly used in Australia for spokes. (Oz. \$1.00).

**Citridora (Lemon Scented Gum).**—A fine ornamental tree with lemon scented foliage; also its timber is very useful; grows 150 feet high. (Oz. \$1.00).

**Corynocalynx (Sugar Gum).**—Very ornamental and useful. Highly valued in this vicinity because it stands more drought than any other variety we know of. Timber very durable and is used for railroad ties, telephone poles, etc.; height 125 feet. (Oz. 80c) (lb. \$3.00).

**Creba (Narrow Leaved Iron Bark).**—Wood reddish, heavy, elastic and durable; is ant and toredo proof; used for railroad ties, bridges and piles; height 100 feet. (Oz. \$1.00).

**Diversicolor (Karri Gum).**—The tree from Southwest Australia, noted for its remarkable beauty, perfect shape, rapid growth. The timber is greatly used for building, masts, shafts, spokes, fence rails, etc. Will thrive well in low and moist lands, attaining a height of 500 feet. (Oz. \$1.50).

**Ficifolia (Scarlet Flowered Gum).**—Ornamental, very showy, bright crimson; one of the most effective trees for avenue planting; height 200 feet. (25 seeds 25 cents) (100 seeds 75c).

**Globulus (Tasmanian Blue Gum).**—Well known. One of the most useful of all and a very

## EUCALYPTUS--Continued

**Mellidora (Black Iron Bark).**—It is a good shaped tree; the wood is very strong. It is also used for telegraph poles and makes excellent fuel; the flowers are greatly sought by bees; height 200 feet. (Oz. \$1.25).

**Microcorys (Tallow Wood).**—Named on account of having a greasy surface; grows rapidly; wood strong and durable; good for ties next to Iron Bark, and other railway construction work; much used for flooring and also takes a splendid finish for furniture and many other purposes. (Oz. \$1.00) (lb. \$10.00).

**Paniculata (White Iron Bark).**—Wood hard and durable, excellent for railroad ties; also used for building, as it splits well, and is lasting underground; height 150 feet. Oz. 75c.

**Pilularis (Black Butt).**—Named on account of bush fires blackening the butt. The tree resists fire to a remarkable degree; grows almost as quickly as the Blue Gum to a height of 300 feet, with a diameter of 15 feet; wood useful for all general purposes, such as ties, railway construction work, building, wood-blocking, telegraph poles; strongly recommended. Oz. \$1.00.

**Polyanthema (Australia Beach or Red Box).**—A rather showy growing tree, but its timber is highly appraised in mining and underground work for being remarkably hard and durable. Flowers are good for bees, thrives in temperate and cold climates, and succeeds in dry and hilly country; height 150 feet. (Oz. 75c) (lb. \$8.00).

**Resinifera (Forest Mahogany).**—This wood in grain and finish surpasses South American Mahogany, and is one of the most beautiful woods in the world; is used for furniture and many other purposes; becomes in time almost as hard as Iron Bark; grows to a large, straight tree; is the king of the stringy-bark varieties. (Oz. \$1.00) (lb. \$10.00).

**Robusta (Swamp Mahogany).**—Thrives best on low grounds, especially near the coast; is remarkably healthy. Greatly used in this section of the country for avenue planting; height 10 feet. (Oz. 60c) (lb. \$6.00).

**Rostrata (Red Gum).**—Well known. A rapid grower. It will grow under a great variety of climates. The timber is unsurpassed for durability, and it is used in furniture, vehicles, agricultural implements, manufacturing. Also used for railroad ties, street paving, block and ship building; height 200 feet. (Oz. 50c) (lb. \$5.00).

**Rudis (Desert Gum).**—This tree is noted for its toughness, being used as an avenue and wind break, withstanding winds, heat and cold; height 100 feet. (Oz. \$1.00) (lb. \$10.00).

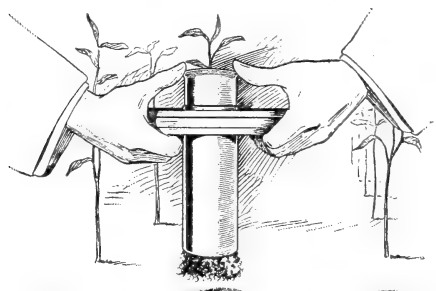
**Saligna (Weeping Gum).**—Ornamental. Very graceful, drooping variety. Good for fuel; height 75 feet. Oz. \$1.00.

**Siderophloia (Dark or Broad Leaved Iron Bark).**—This is the king of our hard woods; makes the best ties in the world, and other work requiring strength and durability; used for many purposes. This tree will grow on poor soil, but is slower in growth than many others of the Eucalyptus. This tree will grow well here, but the grower will not expect a return from this tree under fifteen years; not a large tree. (Oz. \$1.00) (lb. \$10.00).

**Tereticornis (Gray Gum).**—A rapid grower and erect. Wood durable and useful for shingles, flooring, piles, bridge work and street paving blocks, boat building and wheelwright work under water. This timber will last for ages. It is also good honey producer; height 200 feet. (Oz. 75c) (lb. \$7.50).

**Viminalis (Manna Gum).**—A hardy, rapid growing variety and well suited to exposed situations. (Oz. 75c) (lb. \$7.50).

All Eucalyptus seed priced in this catalog at 50c per oz. can be had at 10c per pkt. All offered at 75c per oz. can be had at 15c per pkt. All offered at \$1.00 per oz. and up can be had at 25c per pkt.



*Taken out of here - to be set up here*

## TRANSPLANTER

A Transplanter that does the work without disturbing the roots. It first makes the hole where you wish the plant, then picks up the plant, root and all, without disturbing it, and sets the plant into its new location without checking its growth. A child can operate it. Just the thing for Eucalyptus growers and nurserymen. Price—50c) (by mail, 60c).

## Tree Seed Department

### Seed of Evergreen Trees and Shrubs

#### Acacia

This great family of plants comprises about 400 species and the genus is one of the largest known. We have confined ourselves to varieties of well known merit and the purposes for which these are best suited are enumerated below. The Acacia finds conditions favorable to its very best development in California, for the climatic conditions are very similar to those of Australia and New South Wales, from which all the best varieties originate. Some of them are very rapid growers and make fine

strong trees and may be used either for single specimens, street or avenue planting; others have tendency to grow in the form of immense spreading bushes and may be used to advantage for grouping, for they become effective within a very few years after planting. Nearly all of them are very floriferous, some of them commencing to bloom before the winter season is over.

**Acacia Baileyana.**—A very ornamental tree with glaucous green foliage. Flowers yellow, in racemes 3 to 4 inches long. One of the most beautiful of the Acacias for lawn and park planting; height 20 feet. (Oz. 50c) lb. \$5.00).

**Cultriformis (Knife Leaved Acacia).**—A beautiful species and of distinct character, forming a large shrub, with glaucous green leaves. When in bloom the plants present a splendid appearance on the lawn; height 10 to 15 feet. (Oz. 35c) lb. \$4.00).

**Dealbata (Silver Wattle).**—With beautiful silvery foliage. Very ornamental for sidewalks and lawn planting. Flowers canary yellow, fine for cut flowers; keep well; height 40 feet. (Oz. 35c) lb. \$3.50).

**Decurrens (Black Wattle).**—A medium size tree. Very useful for wind breaks; height 30 feet. Oz. 35c; lb. \$3.50.

**Floribunda.**—An abundant bloomer and ornamental. Very valuable for lawn, park, sidewalks; height 20 feet. (Oz. 40c) lb. \$4.00).

**Latifolia.**—A handsome tree, thrives well along the seacoast; leaves broad, cat-tail yellow flowers; native of South Africa; height 15 feet. Oz. 40c; lb. \$4.00.

**Lophantha (Crested Wattle).**—One of the most rapid growing for first temporary shelter; good for the beach or dry places; height 20 feet. (Oz. 15c) lb. \$1.25).

**Melanoxlyn (Blackwood).**—A well uniformed tree. Being planted very extensively for sidewalk ornamentals, attaining a height of 50 feet. Oz. 35c; lb. \$3.50.

**Mollinissa.**—An abundantly blooming tree. Very ornamental, suitable for lawns and sidewalk and parks. (Oz. 50c) lb. \$5.00).

**Pycantha (Golden Wattle).**—Of a drooping habit, rapid grower, well adapted for near the coast; height 25 feet. (Oz. 25c) lb. \$3.00).

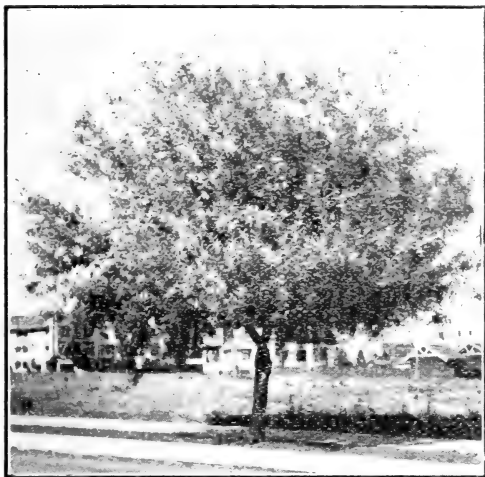
#### Conifera---Cedar

**Cedrus Deodora (Himalaya Cedar).**—Exceedingly handsome, with drooping branches and silvery green foliage forming a dense network; the finest, most rapid grower of Cedars and worthy of a place in every garden; height 30 feet. (Oz. 50c) lb. \$5.00).

**Libani (Cedar of Lebanon).**—A magnificent tree for lawn decoration; height 75 feet. (Oz. 50c) lb. \$5.00).

**Cryptomeria Elegans.**—A small, dense tree, with glaucous green foliage, changing in autumn to bronzy crimson color, which is retained through the winter. Oz. 50c.

**Japonica (Japan Cedar).**—Large, slender tree, with a tapering trunk, covered with a reddish brown bark; thrives under any conditions; height 75 feet. (Oz. 30c) lb. \$3.00).



Acacia Baileyana

## Seed of Evergreen Trees and Shrubs---Continued

## Cypress

**Cyprinus Lawsonia (Lawson Cypress).**—A native tree, with elegane, slender drooping branches; leaves dark, glossy green tinged with a glaucous hue; height 75 feet. (Oz. 40c) (lb. \$4.00).

**Macrocarpa (Monterey Cypress).**—A California native, and one of the most desirable of evergreens; extensively used for hedges and wind breaks; height 50 feet. (Oz. 10c) (lb. \$1.00).

**Guadelupensis (Blue Cypress).**—Erect pyramidal grower, with glaucous foliage. Very ornamental for lawn; height 50 feet. (Oz. 50c) (lb. \$5.00).

**Sempervirens (Italian Cypress).**—A European variety growing very erect, branches parallel with the trunk; deep green color. Very desirable for cemeteries and arches; height 60 feet. (Oz. 30c) (lb. \$3.00).

## Juniperus

**Juniperus Virginia (Red Cedar).**—A well-known ornamental tree, usually of pyramidal form and having beautiful red heart wood. Its timber has an aromatic fragrance and is very useful; height 60 feet. (Oz. 25c) (lb. \$2.50).

**Libocedrus Decurrens (Immense Cedar).**—A handsome, compact growing tree, erect and distinct from any other; with a stout trunk, branches bright rich, glossy green. Native of California and Oregon; height 75 feet. (Oz. 25c) (lb. \$4.00).

## Pinus

**Pinus Canariensis (Canary Island Pine).**—A handsome tree, of robust growth, with bright green foliage; growing almost as rapidly as the Monterey Pine; height 100 feet. (Oz. 35c) (lb. \$3.50).

**Coulteri (Big Cone Pine).**—A native of California; robust growth, cones of the largest size, often 12 inches long and 6 inches in diameter, weighing from 4 to 5 pounds; height 100 feet. (Oz. 35c) (lb. \$3.50).

**Insignis (Monterey Pine).**—A very fine Pine; native of California, being particularly well adapted to our coast counties, thriving in almost any kind of soil; height 100 feet. (Oz. 25c) (lb. \$3.50).

**Lambertiana (Sugar Pine).**—The tallest of all California Pines, presenting a very attractive appearance when young. Its timber is the most valuable of all our native Pines; height 150 feet. (Oz. 35c) (lb. \$3.50).

**Ponderosa (Yellow Pine).**—A very rapid grower and perfectly hardy; one of the greatest timber trees in California. The bark is very thick and divided into large, flat, smooth plates; height 200 feet. (Oz. 35c) (lb. \$3.00).

**Strobus (Eastern White Pine).**—A compact grower. Its foliage is of a light, silvery green; a handsome tree; adapts itself to a variety of conditions; height 100 feet. (Oz. 40c) (lb. \$4.00).

**Sequoia Gigantea (California Big Tree).**—The largest of all trees, probably the longest lived; rising like a tapering pyramid. The lower branches sweep the ground; an excellent ornamental tree, either for the coast or interior; height 300 feet. (Oz. 75c) (lb. \$7.00).

**Sempervirens (California Redwood).**—Well known throughout the world for its famous redwood timber. Very ornamental and a rapid grower; of tapering pyramidal habit; does remarkably well in any part of California; used for lawns and parks; height 40 feet. (Oz. 40c) (lb. \$4.50).

## Thuya, Arbor Vitae

**Thuya Occidentalis (American Arborvitae).**—A native variety, and commonly known as the White Cedar; used for hedges, etc.; height 50 feet. (Oz. 30c) (lb. \$3.25).

**Orientalis Aurea (Chinese Golden Arborvitae).**—One of the most elegant and popular. Very compact and regular habit, the foliage assuming a beautiful golden tint in spring; height 10 feet. (Oz. 25c) (lb. \$2.50).

**Branchychiton Acerifolium (Scarlet Flowering Tree).**—Of fine robust growth, with large, handsome foliage, producing masses of scarlet flowers; height 40 feet. (Oz. 30c) (lb. \$3.00).

**Camphor Officinalis (Camphor Tree).**—A symmetrical and ornamental tree, thriving in poor soil; bright green foliage; extensively planted throughout Southern California as an avenue tree, also making a nice ornament for the lawn. This tree is a native of Japan and China. From this tree they extract the Camphor of commerce. Attains a height in its native country of 50 feet. (Oz. 25c) (lb. \$2.50).

**Grivillea Robusta (Silk Oak of Australia).**—A well-known shade tree throughout California, with fern-like foliage and flowers of orange color. Of rapid growth; height 75 feet. (Oz. 40c) (lb. \$4.00).

## Seed of Evergreen Trees and Shrubs---Continued

**Hakea Eucalyptoides.**—A splendid ornamental evergreen tree, growing some 12 to 20 feet high, with a broad, dense growth having the appearance somewhat of a young Eucalyptus, with a very bushy top. Flowers are of a beautiful shade of pink and bloom in clusters. (Pkt. 25c) (per 100 seeds \$1.50).

**Jacaranda Mimosaeifolia (Brazilian Jacaranda).**—A handsome tree with fern-like foliage. Flowers blue or light violet, blooming in clusters early in the summer months. Greatly used as a street tree; very hardy in this vicinity; height 40 feet. Pods containing from 20 to 40 seeds. (5c each) (per doz. 40c).

**Ligustrum Japonicum (Japanese Privet).**—A very large shrub with glossy dark green, leathery leaves; flowers white, form in clusters, followed by purplish blue berries. A very desirable hedge plant; stands trimming well. (Oz. 15c) (lb. \$1.50).

**Magnolia Grandiflora.**—A native of the Southern States. One of America's most noble evergreens; foliage is thick, with a nice bright, waxy green; foliage underneath of brown velvet color; flowers of pure white; of immense size and fragrant; height 75 feet. Fresh seed during the fall and winter. (Oz. 35c) (lb. \$1.50).

**Pittosporum Eugenioides.**—Graceful form, light, bright green foliage. Is suitable for lawns, parks and tall garden hedges; height 20 feet. Oz. 50c.

**Schinus Molle (Mexican Pepper Tree).**—This ornamental tree has been one of the greatest attractions of Southern California, with light feathery foliage and bright scarlet berries during the winter months. (Oz. 10c) (lb. 75c).

**Sterculia Diversifolia (Victorian Bottle Tree).**—This magnificent street and avenue tree, as its effective and ornamental qualities are becoming established, continues to be in great demand. One great point in its favor is that the root do not interfere with the pavement of the city streets, and this one fact adds to its charms. Its graceful, tapering habit of trunk and foliage have given it a supremacy over many other trees. Its foliage, which is bright, glossy green, is constantly changing its shape. (Oz. 35c) (lb. \$3.50).

**Syncarpia Laurifolia (Turpentine Wood).**—This tree resembles a Eucalyptus in all its ways and forms, growing in Australia amongst the Eucalyptus so that it is often called Eucalyptus turpentine wood. It attains a height of 150 to 200 feet. It is used a good deal for replacing in Eucalyptus groves where others have died, because it will thrive in the shade where a Eucalyptus will not grow, and owing to its rapid growth it soon comes to their equal. This tree in a few years to come will be extensively planted like the Eucalyptus, as its timber is of great value; tough and durable, used for railroad ties, bridge work, etc. (Oz. \$1.00) (lb. \$10.00).

**Biburnum Tinis (Laurstinum).**—A well-known winter flowering shrub of great beauty, producing an abundance of white flowers; well adapted for hedges. (Pkt. 15c) (lb. \$1.50).

## Deciduous

**Acer Neugundo (Box Elder or Ash).**—Maple.—Large, fine, spreading tree of rapid growth, foliage ash-like, smaller than in other maples; a fine avenue tree; height 75 feet. (Oz. 35c) (lb. \$3.50).

**Catalpa Speciosa (Indian Bean Tree).**—Very valuable for forest and ornamental planting; flowers white and purple; height 100 feet. (Oz. 15c) (lb. \$1.50).

**Ceratonia Seligua (St. John's Bread).**—A beautifully formed tree, with yellow flowers and edible saccharine pods which are very fattening; height 30 feet. (Oz. 15c) (lb. \$1.50).

**Melia Umbrauliformis (Texas Umbrella Tree).**—Of a very rapid growth; the top forming in the shape of an umbrella and very dense; greatly recommended for the hot and dry country; height 40 feet. (Oz. 10c) (lb. 75c).

**Robinia Pseudacacia (Black Locust).**—A rapid growing tree with spreading branches; a valuable timber tree; lumber used for various mechanical purposes; flowers white, appearing in spring; height 70 feet. (Oz. 10c) (lb. 75c).

## PALMS AND DRACAENA

**Areca Lutescens.**—Native of the Mascarene Islands. One of the most graceful and beautiful palms in cultivation; the foliage is of a bright glossy green, with rich golden stems; adapted only to greenhouse or house culture. (10 seeds 25c) (100 seeds \$2.00).

**Chamaerops Excelsa (Windmill Palm).**—Native of China and Japan. Leaves fan-shaped, deeply cut. This is the hardiest Palm we have, and although it is not such a rapid grower as some, it makes a fine lawn Palm and an excellent sidewalk Palm; height 20 feet. (Oz. 10c) (lb. \$1.00).

**Corypha Australia (Australia).**—One of the handsomes of the Fan Palms; the fan-like leaves are dark green, supported upon brown petioles, which are armed at their edges with stout spines; hardy in Southern California. (10 seeds 10c) (100 seeds \$1.00).

## Palms and Dracaena---Continued

**Erythea Armata** (Blue Palm).—Native of Lower California. One of the most exquisite Fan Palms and very hardy; a pretty Palm, especially suited to small gardens. (10 seeds 20c) (100 seeds \$1.50).

**Erythea Edulis** (Guadalupe Island Palm).—Resembles the California Fan Palm somewhat, but the stems are much larger and more graceful. The leaves are without filaments; deep green, readily distinguished from that variety; perfectly hardy. (1 doz. seeds 10c) (100, 50c).

**Phoenix Canariensis** (Canary Island Palm).—The most graceful and the handsomest of our hardy Palms; leaves pinnate and of a deep, dark green color; one of the most effective Palms on a lawn and worthy of the attention of all admirers of the Palm family. (10 seeds 10c) (100 seeds 50c).

**Phoenix Reclinata** (Dwarf Date Palm).—Native of South America; very graceful, drooping leaves; very handsome for avenue or lawn use. Makes a good pot plant. (10 seeds 10c) (100 seeds \$1.00).

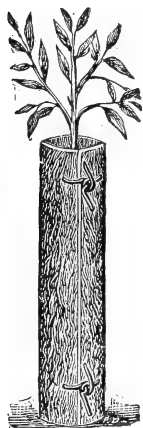
**Seaforthia Elegans**.—One of the most beautiful and one of the best in cultivation for the conservatory or greenhouse; perfectly hardy in Southern California. (10 seeds 10c) (100 seeds 75c).

**Washingtonia Filifera**.—The well-known California Fan Palm, which first originated in San Bernardino county; may be seen throughout all Southern California; attains a height of 60 to 80 feet; always a large bunch of leaves hanging close to the trunk. (Oz. 10c) (lb. \$1.00).

**Washingtonia Robusta**.—This is a very distinct type from the preceding, although the leaves have the same shape and drooping tendency. They are much greener, the white filaments are not so numerous and the trunk is very slender. It attains a height of 100 feet. (Oz. 15c) (lb. \$2.00).

**Dracaena Australia**.—A palm-like tree with a stout branched stem from 15 to 20 feet in height, with flag-like leaves 2 to 3 feet long. ((Pkt. 10c) (oz. 50c).

**Dracaena Indivisa**.—A more rapid grower than the preceding, with long, narrow leaves; fine for hall and porch decoration. (Oz. 35c) (lb. \$3.50).



## Yucca Tree Protectors

Just the thing with which to protect the young trees and shrubs from the rays of the hot summer sun, from rabbits and other injury, being cheap and serviceable.

No—		Per 100	Per 1000
4	30 in. long, 7 in. wide.....	\$2.25	\$20.00
5	24 in. long, 7 in. wide.....	2.00	17.00
6	18 in. long, 7 in. wide.....	1.75	14.50
7	16 in. long, 7 in. wide.....	1.60	13.00
8	14 in. long, 7 in. wide.....	1.40	11.50
9	12 in. long, 7 in. wide.....	1.25	10.50
10	10 in. long, 7 in. wide.....	1.15	9.50

## Nursery Department

We have added this year to our general seed business a complete line of flowering plants, shrubs, trees, etc.

Our customers will find this department of great convenience, as we are now able to take care of their wants in everything required for the garden.

Our plants will be found equal in every respect to the famous Aggeler-Musser Seeds, and will give equally splendid results in the ornamentation of the home grounds.

We have also with us one of the most reliable growers of citrus and deciduous nursery stock. We are prepared to give you lowest prices for the best trees, and can furnish in any quantity. We solicit your orders for all varieties of berry vines, plants and rooted grape cuttings.

Prices per dozen include postage. 100 or more are sent by express, charges collect.

**Lawton and Crandell's Early.** (Per doz. 60c) (100, \$3.50).

**Mammoth and Himalaya.**—(Per doz. \$1.00) (100, \$5.00).

**Gardena Dewberry.**—(Per doz. 60c) (100, \$3.50).

**Logan Berries.**—(Per doz. 60c) (100, \$3.50). **Currants.**—(Each 15c) (½ doz. 60c).

**Raspberries—Cuthbert.**—(Per doz. 50c) (100, \$3.50).

**Strawberries.**—(100, 75c) postpaid, (1000, \$4.00).

**Gooseberries.**—(Each 25c) (½ doz. \$1.25). **Guavas.**—(Each 25c) (½ doz. 1.25).

## Special Directions to Plant Purchasers

Please Read Carefully Before Sending in Your Orders.

**SHIPPING**—We deliver free to any express or freight office in Los Angeles, all plants ordered from us, with no extra charge for packing. We strongly recommend the sending of plants by express. Do not order plants by mail if avoidable, as our plants are big and strong, and it is sometimes impossible to pack so as to comply with the limit of weight allowed by mail.

**TERMS**—Our terms are strictly cash, except from customers whose credit is already established. We do not ship plants C. O. D.

**ORDERS**—It often happens that we receive orders for plants which are not in season; in such cases a later shipment will be made and the customer notified to that extent.

**SUBSTITUTION**—It is almost impossible to forecast exactly what the demand will be for any particular plants in our list, and sometimes we sell out early in the season. In placing orders, please state whether we are at liberty to substitute or not. Where we do this we will use every endeavor to give equally good, or if possible, better varieties.

**NAME AND ADDRESS**—In order to facilitate the prompt delivery of shipments, we ask that patrons write plainly their Name, Postoffice, County and State. This is important, as often the name and address is indistinctly written, thereby causing unnecessary delay.

**NON-WARRANTY**—We exercise the greatest care in the selection, packing and labeling of plants and trees, but give no guarantee, express or implied, as to their growth, productiveness, quality, or any other matter of any trees, plants or seeds we send out, and will not be in any way responsible for crops. If the purchaser does not accept the goods on these terms, they must be returned at once.

## Roses

The list we offer is not long one, but contains some of the finest varieties in cultivation. Our plants are all strong two year old stock, and are bound to give splendid results.

Do not fail to include in your order a plant of the grand novelty, Mad. Second Weber. It is the finest pink rose to date, and will more than please you.



New Rose Mad Second Weber

NOTE—We deliver roses in a dormant or bare root condition from November to April; after that date balled plants are sent. Order during the winter months and save express charges. Roses are too heavy to go by mail.

## Six Grand New Roses Which Should Be Planted In Every Garden

**PRICES**—Strong two-year-old plants, dormant, from November to April, unless otherwise mentioned, each 50 cents; per dozen \$5.00. Balled plants, from April to November, each 50 cents; per dozen \$5.00, unless otherwise priced.

**Mad. Second Weber.**—A glorious new rose from Europe, with immense rosy salmon pink blooms; the buds are perfection in form, long and pointed. It blooms with great freedom, never mildews, and rarely throws an imperfect bud or bloom. This rose is simply a gem and will give unbounded delight to all lovers of Roses. **Price, each, 75 cents. (See Cut.)**

**Frau Karl Druschki.**—The last word in white roses. A free flowering hybrid, perpetual, with enormous buds and big fluffy full blown flowers, always in bloom.

**Hugh Dickson.**—A Gold Medal rose from England. Rich brilliant crimson; very fragrant.

**Gen. McArthur.**—Vivid Crimson Scarlet. One of the freest bloomers of all red roses. Beautiful in bud and open flower.

**J. B. Clark.**—Deep blackish crimson with scarlet shadings. A vigorous grower and splendid bloomer. This rose comes from a noted Irish Rosarian. It has won many prizes.

**Mad. Leon Pain.**—Lovely silvery, salmon pink. A grand new variety with distinct and beautiful coloring. This rose will please the most critical.

## Roses

### GENERAL COLLECTION

Dormant plants from November to April. Prices—(Each 35c) (per dozen, \$3.50).

Balled plants from May till November. (Each 50c) (per dozen, \$5.00).

**Black Prince.**—Magnificent blackish velvety crimson, an old favorite.

**Franz Deegen.**—A grand yellow rose. Long pointed buds; always in bloom.

**Duchess de Brabant.**—An old favorite. Rosy blush in color.

**Gen. Jacqueminot.**—Velvety crimson. An old stand-by, and always in demand on account of its free color.

**Gruss An Teplitz.**—A grand red rose, and one of the most profuse bloomers of all roses. Color rich crimson.

**Killarney.**—One of the best of modern roses. Long pointed buds, deep flesh pink in color; deliciously fragrant.

**Kaiserin Augusta Victoria.**—A grand white, with all the points which go to make a perfect rose; it combines perfection in form, color, vigor and freedom of bloom. No collection will be complete without this superb variety.

**Maman Cochet.**—Ideal in form, perfect in color, vigorous in growth and well covered with handsome foliage. Deep rose pink, unsurpassed for lasting qualities and now grown by the thousands as a commercial cut flower.

**Mad. Abel Chatenay.**—Produces a continuous mass of exquisite salmon pink blooms; beautiful in bud or when fully opened.

**Marie Van Houtte.**—Light lemon yellow, shading to rose and edged with carmine. An old-time favorite and always appreciated for its lovely combination of colors. Free in bloom and vigorous in growth.

**Madam Caroline Testout.**—Satiny pink. Flowers cup-shaped and very fragrant. Free in bloom, strong in growth and should be included in every good collection.

**Madam Cecil Brunner.**—The most beautiful of all Polyantha or Baby Roses. Color bright salmon blush; very sweetly scented.

**Madam Gabriel Luizet.**—The loveliest shade of pale pink to be found in roses is represented in this variety. Of pure even tone and well brought out in its large perfect blooms.

**Mrs. John Laing.**—A variety of the hybrid class and one of the most deliciously fragrant roses in existence. A few flowers placed in a vase will scent a whole room. Besides its delicious odor, it is superb in color and elegant in form. Color soft pink.

**Meteor.**—A velvety glowing crimson. Flowers double and of medium size. It has one defect and that is, failure to open perfectly at certain times of the year. In the fall months it usually comes extra fine.

**Paul Neyron.**—The largest rose in cultivation. Flowers of enormous size, borne on long sturdy shoots, and usually one flower to the stem. Rich dark rose in color and very fragrant.

**Prince Camille de Rohan.**—One of the best dark hybrid perpetual roses. Flowers intensely fragrant color dark crimson maroon.

**Perle d'Or.**—A facsimile of Madam Cecil Brunner in every respect save color. Nankeen yellow with a deep orange yellow center. One of the prettiest of small flowered polyantha roses.

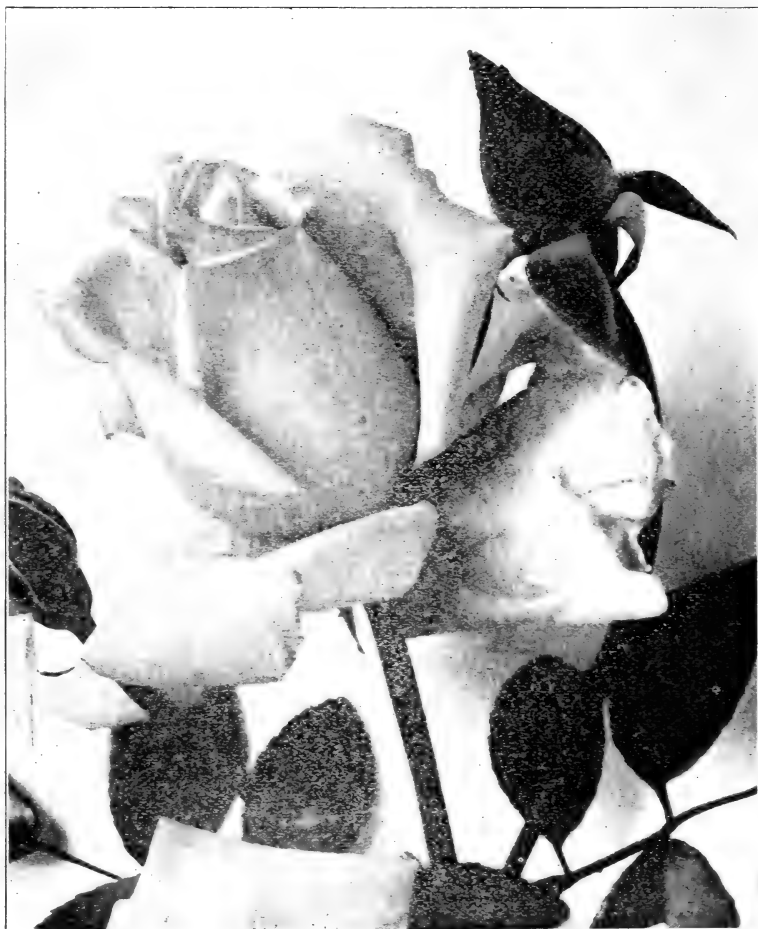
**Papa Gontier.**—A fine red rose, noted for its long buds. Especially useful as a winter bloomer.

**Richmond.**—A splendid red rose which blooms with great freedom. It produces endless quantities of fine buds which are of exceptional beauty for cutting purposes. Color crimson scarlet.

**Soleil De Or.**—A hybrid from Persian yellow and contains the highest colors found in the family, all beautifully blended. Flowers are very large and globular, varying in color from gold and orange to reddish gold, shaded with nasturtium red.

**Ulrich Brunner.**—Rich cherry crimson. Flowers very large and produced on long solitary stems. Far better in color than American Beauty, in addition to which all the buds and flowers come good when grown outside, no glass being necessary to do it well. Grand in early and late fall.

**White Maman Cochet.**—An American sport from Maman Cochet, with all the good qualities of its parents and identical with it save in color, which is pure white, daintily edged with pink. See Cut.



White Cochet

**Xavier Olibo.**—Intensely rich velvety crimson. Like other hybrid perpetuals it produces its main crop of bloom in spring.

## Climbing Roses

Dormant plants from November to April. Price—(Each 35c) (per dozen \$3.50).  
Balled plants from April to November. (50c each).

The following are among the choicest of Climbing Roses. Our plants are strong and will give plenty of bloom the same season they are planted.

**Climbing Caroline Testout.**—A grand climbing form of Madam Caroline Testout. Has all the good qualities of the latter, coupled with additional strength of growth and consequently greater production of bloom. Extra good.

**Climbing Kaiserin.**—The counterpart of Kaiserin except that it is a climber. The buds have the same exquisite form as the parent and are the same in color. Delicate ivory white. Very vigorous grower.

**Climbing Mad (Cecil Brunner).**—We have in this lovely Climbing Rose not only one of the daintiest of all roses, but also one of the most useful. This rose bears quantities of bloom, and they are the counterpart in every way of the well known Bush Cecil Brunner. It differs, however, in the respect that it flowers with much greater freedom and that the foliage is stronger and better. When it comes to a grower, it exceeds all other climbing roses in vigor, and flowers in great masses along the entire length of the shoots. If you want a rapid growing, and in all other points satisfactory rose, try this one.

**Climbing Wooton.**—A superb climbing rose, vigorous in growth, fine in foliage. Color velvety crimson. Petals thick and leathery. A valuable acquisition to the list of red climbers, which is none too large.

**Climbing Papa Gontier.**—The sports which have resulted in climbing forms to many of our best standard roses have been numerous, but we doubt it, with the exception of Climbing Kaiserin and Climbing Testout, there are any equal to this lovely climbing form of the old Papa Gontier. The buds are of the same elegant pointed form and color, coupled with a wonderful freedom of production.

**La Marque.**—Well known as one of the finest white varieties in cultivation. A remarkably profuse bloomer. Fine in bud state as a cut flower.

**Reve De Or.**—Unique in shades of bluff and apricot; similar in form to the La Marque. One of the best climbing roses in cultivation and always in demand. During the spring and summer months the plants are smothered with blooms.

**Reine Marie Henrietta.**—One of the finest red climbing roses. Flowers are very large, bright cherry red in color, and abundantly produced.

**Pink Cherokee.**—A grand new climbing rose of rare beauty and undoubted merit. The lovely single blossoms are produced in the same profusion as the white sort, but are a delightful shade of blush pink.

**White Cherokee.**—Lovely pure white, single flowers, which cover the whole plant in early spring; has splendid foliage.

## Carnations

The varieties offered are the best sorts in cultivation. Plants will be ready for delivery in January, and are nice, thrifty young stock from two inch pots.

Price of any of the following, (each 10 cents) (per dozen 75 cents). If wanted by mail, add 10 cents per dozen plants to cover postage.

**Allegria.**—Bright scarlet; very fragrant.

**Enchantress.**—Exquisite daybreak pink; very large.

**Estelle.**—Deep scarlet; intense in color.

**Los Angeles.**—Deeply fringed, pure white; clove scented.

**Mrs. Thos. Lawson.**—Very large and fragrant. Rose pink.

**Rosevelt.**—Deep blackish crimson; free blooming.

**White Enchantress.**—An immense smooth petalled white.

## Chrysanthemums

The following eighteen named sorts, are among the grandest of all mums. We do not attempt to offer a long list of names, preferring to give our customers a selection from the very best in cultivation, including the various colors and the best varieties covering same.

In ordering plants of Chrysanthemums, please remember that all orders will be filled about April 15th. The plants will all be propagated from nice top cuttings—not divisions. These cutting grown plants give much better satisfaction than divisions, throwing larger flowers and growing more freely. Place your order as soon as possible. It will be booked and the plants sent you at the proper time.

Price of any of the following varieties, (each 15 cents) (per dozen \$1.25). If ordered sent by mail, add 1 cent each to cover cost of postage.

Amateur Conseil.—A great big deep red; very handsome.

A. Sclarandis.—Bright golden yellow; very fine.

A. J. Balfour.—Splendid deep rose pink.

Bruant.—Reddish bronze; petals incurved.

Black Hawk.—The darkest of all mums; deep velvety crimson.

Chas. Weeks.—An immense bloom. A commingling of red, rose and yellow.

Col. Appleton.—An enormous deep golden yellow.

Good Gracious.—A huge big pink, with long curling petals.

Harry Plumridge.—Waxy white; flowers very large.

Lavender Queen.—A very large reflexed lavender pink. Fine.

Mad. L. Rosseau.—A magnificent full deep pink. One of the best.

Matchless.—Rich crimson, with bronze reverse.

Mme. H. Delizy.—White, tinted with light pink. Beautiful.

Mrs. T. W. Pockett.—Bright canary yellow.

Miss Lucy Evans.—Heliotrope pink. Very large.

Mad. A. Marmotel.—An enormous deep rosy purple.

Nellie Pockett.—Long interlacing petals; creamy white.

T. Carrington.—Rosy purple; blooms large and deep. Extra good.

NOTE—Do not fail to place your order early. We sometimes sell out early in the season. All orders are filled in rotation as received. Early booking will prevent disappointment.

## Dahlias

There is nothing more popular in the flower world today than Dahlias. The new cactus and decorative types are among the most striking of all flowers grown in gardens, besides which they are fine for cut flowers. We desire to call special attention to the grand novelty pictured on the cover of this catalogue, a full description of which will be found below.



Dahlia, Guiding Star

### Pompon Dahlias

These are the dainty little buttonhole dahlias. They are similar in form to asters. The cut of **Guiding Star** is typical of this class. Six choice sorts. All different, including **Guiding Star**, the best white. (Each 20 cents) (per dozen \$2.00).

**IMPORTANT NOTE** — Dahlias should always be sent by express, as the roots are usually heavy. They weigh in the neighborhood of one-half pound each. If wanted by mail, add 4 cents each for postage.

### Six Cactus Dahlias, Older Sorts of Merit

Strong tubers. Price, (each 25 cents) (per dozen \$2.50).

A. C. Davis.—Delicate rose pink.

Cockatoo.—Canary yellow, with pink and white markings.

Butterfly.—Deep crimson, with white tips.

E. Bonnefond.—A gigantic blood red flower.

Progenitor.—Carmine crimson; petals deeply notched.

Hohenzollern.—Apricot yellow. A standard sort.

## Four Giant Decorative Dahlias



Dahlia, Grand Duke Alexis

Strong tubers. Price (each 25 cents) (per dozen \$2.50).

**Grand Duke Alexis.**—Very large; petals rolled; pale lilac.

**J. Charmet.**—Soft rose pink; a splendid bloom.

**La France.**—Deep rich rose. A giant flower.

**Gustave Doazon.**—A mammoth fiery red.

## New Fringed and Fluted Cactus Dahlia Zeppelin Third

See Front Cover Page

It is with a great deal of pleasure that we are able to offer our flower-loving customers this grand novelty for 1912.

We obtained our original stock over a year ago from Germany, and paid therefor the enormous sum of \$2.50 each, wholesale, for little tubers scarcely larger than your thumb. We lost a number of these but secured enough good sound tubers after a season's growing to warrant our distributing it this spring.

The illustration on the cover fails to do this grand novelty justice. It is an entirely new type in dahlias, and at the same time one of the loveliest. The color is snowy white, of purest tone. The petals are long, fluted and notched at the ends like a stag horn fern.

We will distribute this superb novelty on May 1st, 1912. It will be sent out in nice, strong two inch pot plants, already established and growing, and ready to place in your garden. The plants we send will bloom within sixty days after planting, and continue until November.

If you have only a square foot of garden, it would pay you to allot it to one plant of Zeppelin III. Send in your order for the finest thing in Dahlias to date.

Price, strong plants from 2 inch pots, each \$1.00.

Note.—Stock limited; early orders will avoid disappointment.

## Six Superb New Cactus Dahlias

The following are new and elegant types. We feel certain they will prove a source of gratification to all our customers who plant them. We have a nice stock of field tubers to offer for immediate or spring delivery.

**Price, (each 35 cents) (per dozen \$3.50).**

**Daisy Easton.**—Color deep yellow; petals quilled and incurved.

**Flag of Truce.**—A lovely pure white, with fluted petals.

**Hamlet.**—Large flowers; long petals. Orange red.

**Hyacinth.**—Mauve pink, with yellow shadings.

**Mrs. Seale.**—Deep crimson; tipped pink.

**Mrs. Marshall.**—Deep orange and buff.

## Cannas

No plants add more to the beauty of the garden than fine Cannas. The following sorts must not be confused with the cheap weedy kinds generally seen. They are all recent introductions from Europe, with large blooms and brilliant colors.

**Price of any variety (each 20 cents) (per dozen \$2.00).**

**If wanted by mail, add three cents each for postage.**

**Karl Merck.**—Beautiful yellow, marbled and spotted scarlet.

**Furst Weid.**—Pure, deep, rich crimson; very fine.

**Frederick Benary.**—Giant blossoms; scarlet, edged yellow.

**King Humbert.**—A giant canna with deep bronzy foliage; flowers reddish scarlet.

**R. Wallace.**—Pure rich canary yellow. The best yellow.

**Wm. Bofinger.**—Scarlet, with an orange sheen; a splendid bedder.

## Phloxes

There is nothing more beautiful in garden plants than the old fashioned perennial phlox. They last from year to year and bloom with great freedom.

We offer six splendid kinds, all with large flowers and trusses.

**Price, strong one-year clumps, (each 20 cents) (per dozen \$2.00). If by mail add 2 cents for postage.**

**Frau Dora Umgeller.**—Tall, with large trusses. Crimson red in color.

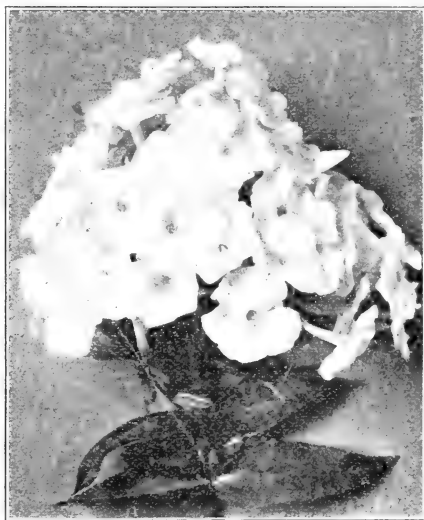
**Mrs. Jenkins.**—A beautiful, large snow white. (See Cut).

**Albion.**—White with a red eye.

**Mrs. Robinson.**—Salmon pink; one of the best.

**Prof. Schliemann.**—Lilac rose; free blooming.

**Lothair.**—Rich salmon, with a crimson eye.



Phlox, Mrs. Jenkins

## Geraniums

A choice collection of the best kinds.

**Price of any of the following (each 10 cents) (per dozen \$1.00). If by mail add two cents each.**

### CHOICE SINGLE GERANIUMS

**Dr. Condamy.**—Scarlet, shading to violet and white.

**Nuit Poitevine.**—Rosy purple, with maroon shadings.

**Alice of Vincennes.**—Center white, changing to carmine and scarlet.

**Gertrude Pearson.**—Clear rosy pink, with a white eye.

**Crabbe.**—Delicate salmon pink. Very large.

**Jacquerie.**—Dark crimson. An immense flower.

**DOUBLE GERANIUMS**

**Beaute Poitevine.**—Soft salmon pink.

**La Pilot.**—Intense orange scarlet.

**M. Canovas.**—Dark crimson.

**Thos. Meehan.**—Bright rose pink.

**IVY GERANIUMS**

An extra choice selection. Price (each 10 cents) (per dozen \$1.00).

**Carlos Uhden.**—Rosy scarlet; very large and fine.

**Chas. Turner.**—Deep bright pink.

**Col. Baden Powell.**—Pearly white, with blush tint.

**Etincelant.**—Intense scarlet. A grand ivy.

**PELARGONIUMS****LADY WASHINGTON GERANIUMS**

Six grand sorts, including pure white. Price (each 20 cents) (per dozen \$2.00). If by mail, add 2 cents each for postage.

**FUCHSIAS**

No garden would be complete without a few plants of Fuchsias. Our collection is a very select one. We offer six splendid named varieties of unsurpassed quality.

Price (each 20 cents) (per dozen \$2.00). If sent by mail, add 3 cents each for postage.

**Abbe Farges.**—A new giant fuchsia; color reddish violet.

**Emile Laurent.**—Large; corolla rose and white. Very double.

**G. Portesei.**—Violet blue, veined with scarlet; large and double.

**Rose Phenomenal.**—A giant double, rich lavender color.

**Sylvia.**—A gem among the double whites. Superb.

**Elsa. (Single)**—Sepals rose colored. Corolla rosy purple.

**Perennial Plants**

The following are a selection of the finest varieties in cultivation. They are good strong plants and will give satisfaction. We strongly recommend that all plants be sent by express. If any of the plants under this head are wanted by mail, add two cents each to cover postage.

**AGERATUM**

**Princess Pauline.**—A beautiful sky blue border plant. (Each 10 cents) (per dozen 75 cents).

**COLUMBINE**

**New Giant Hybrids.**—A superb strain, with long spurs. (Each 15 cents) (per dozen \$1.50)

**ANEMONE**

**Alba.**—Grows four feet high; flowers in Autumn. Pure white.

**Queen Charlotte.**—Same as above variety, but with double pink flowers.

Either sort (each 15 cents) dozen \$1.50).

**CANTERBURY BELLS**

We have a fine lot of thrifty plants of these old fashioned spring flowers. (Each 10 cents) (per dozen \$1.00).

**BEGONIAS****Fibrous Rooted**

**Argentea Guttata.**—A tree begonia; leaves bronze, spotted with white. Each 25c.

**Pres. Carnot.**—Tall tree begonia; dark foliage, large panicles of rose colored flowers. Each 25 cents.

**Gracilis Luminosa.**—Dwarf mounds of scarlet flowers.

**Gracilis Rosea.**—Similar to above, with pink flowers.

**Gracilis Alba.**—Pure waxy white blooms.

Price of the three preceding varieties (each 10 cents) (per dozen \$1.00).

**HELIANTHUS**

**Maximum.**—A double perennial sunflower; fine for cutting. (Each 15 cents) (per dozen \$1.50).

**HELIOTROPES**

We grow about six choice sorts, all with large trusses and fine colors. Price (Each 15 cents) (per dozen \$1.50).

**HOLLYHOCKS**

Choice doubles in six to eight colors, from pure white to dark crimson. Ready in March for summer blooming. Extra choice. (Each 15 cents) (per dozen \$1.50).

**HUNNEMANNIA**

**Mexican Tree Poppy.**—With lovely golden yellow flowers three inches across. (Each 15 cents) (per dozen \$1.50).

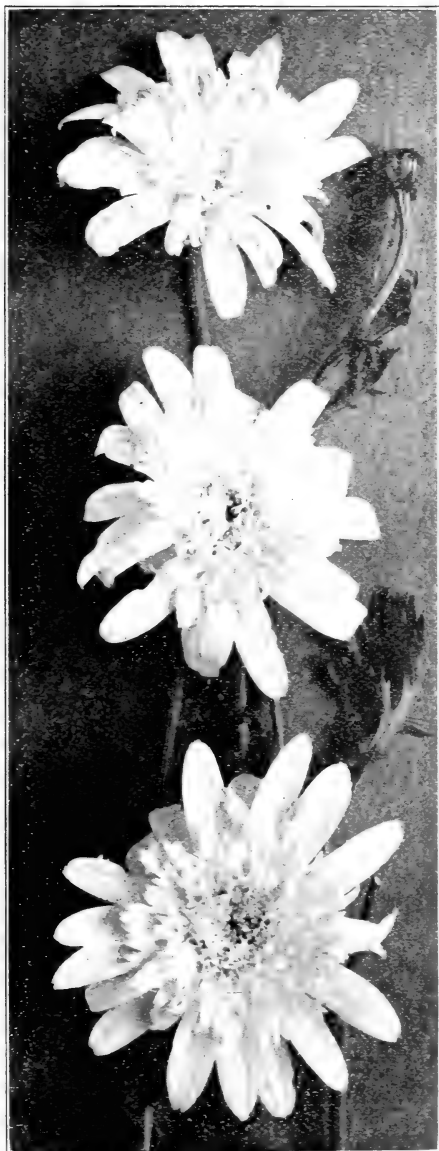
**MARGUERITES****A Grand New Double White for 1912**

**Mrs. Fred Sander.**—The first perfectly double white marguerite. It throws some single blossoms, but the larger per cent are double. Introduced from Europe in 1911, and already recognized as the leading novelty of recent years.

The illustration is much reduced in size, but conveys a fair idea of the bloom. Do not fail to try at least one plant. It will please you immensely. We have only a limited stock ready for distribution January 1st, 1912. Price each 25 cents.

**Giant Yellow.**—The well known yellow sort. (Each 10c) (per dozen \$1.00).

**Blush Queen.**—With a pink cushiony center. This is another new one, the first to contain pink. (Each 15 cents) (per dozen \$1.50)



**Marguerite, Mrs. Fred Sander**



**New Larkspur**

**LARKSPUR**

**New Hybrids.**—A fine new strain which grows and blooms year after year. The colors run from pale sky blue to deepest indigo; they grow three to four feet high and bloom perpetually. We strongly recommend these to all our customers. They will please you.

Strong one year clumps, (each 20 cents) (per dozen \$2.00).

**LANTANAS (New Dwarf Varieties)**

These make splendid border plants; grow only twelve inches high and bloom all the time. Our collection is of six fine sorts, white, pink, yellow, orange, red and cream. (Each 10 cents) (per dozen \$1.00).

**PETUNIAS****Aggeler-Musser Prize Strain of Doubles**

Nothing finer in existence. Hugh double, fluffy blooms, deeply fringed and cut. Colors from pure white to dark red. Plants ready February 15th. (Each 15 cents) (per dozen \$1.50).

**SHASTA DAISIES****Burbank's Well Known Creation**

Probably the most satisfactory of all garden daisies; blooms all the time. (Each 10 cents) (per dozen \$1.00).

**VERBENAS****Aggeler-Musser Prize Strain**

All grown from cuttings, and in choice select colors—white, pink, purple, scarlet, etc. (Each 10 cents) (per dozen 60 cents).

## Aggeler-Musser Collection of Choice Bulbous and Tuberous Rooted Plants

**AMARYLLIS**

There is nothing more beautiful in the sunny part of the garden than a few of our choice Giant Amaryllis. These bulbs will always be expensive, as it takes several seasons to bring them to flowering size. All of the bulbs which we send out will be full flowering size and will give some splendid spikes of bloom during the coming spring. They should be set out early, as the best flowers come during April and May. (Price, mammoth bulbs, each 50 cts.) (per dozen, \$5.00).

**Belladonna.**—Everyone knows this beautiful Summer and Fall flowering pink Amaryllis. During the Summer the leaves die off and the flower spikes issue from the top of the bulb. There is nothing finer for cut flowers. (Each 20c) (per doz. \$2.00).

**NOTE.**—Amaryllis bulbs are quite heavy and large. If wanted by mail add 5c each for postage.

## Begonias

### 1912--Aggeler-Musser New Frilled Type--1912

The beautiful engraving on the back cover of this catalogue hardly does justice to this new and magnificent type of Tuberous Begonia. To begin with, there are no bulbous plants of easier culture than these Begonias, and none half so beautiful. The flowers are daintily crimped and ruffled on the edges, and they come in the loveliest shades of color imaginable. They vary from pure white to soft pink, rose, yellow, orange, scarlet, crimson, etc., and bloom from June till the frosts of November.

They may be grown in pots, but do far better if started in pots and then planted in the open ground in a good shady north bed. Give them a rich loamy soil with plenty of water during the hot season.

If you love choice flowers, a few bulbs of these new begonias will prove a source of great pleasure to you.

**Price, mixed colors, strong bulbs, each 25 cents; per dozen, 2.50.**

If to be sent by mail, add 1 cent each for postage.

In addition to the splendid frilled Begonias illustrated on the back of this catalog, we have a full collection of all the best double and single kinds. Being of such easy growth and lasting in bloom so long a time, every one should try a few of these bulbs in some good shady north bed. They will delight the eye the whole Summer long and be the admiration of all who see them.

**Single Sorts.**—With large massive blooms. In all colors from pure white to darkest crimson. Dormant bulbs. (Each 15c) (per doz. \$1.50).

**Giant Doubles.**—With immense camellia-like flowers. In white, crimson, scarlet, etc. Extra choice. (Each 25c) (per doz. \$2.50).



Gladiolus

**America.**—The grandest of all pink Gladiolus, and one which is grown by the thousands for florists' use. Has large wide-open blooms, splendidly arranged on long stiff spike spikes. It will last a week when placed in water. Its shade of pink is unapproached in beauty by any other Gladiolus. (Each 10c) (per doz. \$1.00).

**Mrs. Francis King.**—Probably one of the largest of all named Gladiolus. A glorious light scarlet flower opening out almost flat. It is carried on spikes three to four feet long. It is the finest of all scarlets and one which you should have in your garden. (Each 15c) (per dozen \$1.50).

**NOTE**—If any of the above varieties are wanted by mail, add 1 cent each for postage.

### ELEPHANT EAR (CALADIUM)

Splendid plants for tropical bedding. The big elephant-like ears are rich dark green color, quite constant in their character. They make splendid edgings for Canna beds. Giant bulbs. (Price each 25c) (per doz. \$2.50). (Smaller size each 15c) (per doz. \$1.50). If wanted by mail add 4 cts. each for the large size, and 2 cts. each for the small.

### CALLA LILY

**White.**—The well known lily of the Nile. We have some mammoth roots which will give an abundance of flowers during the coming spring. (Each 10c) (per doz. \$1.00) If by mail, add 3 cts. each for postage.

**Golden.**—Celebrated Golden Yellow Calla, from Central Africa. The flowers are of the deepest shade of pure gold. Foliage is dark green, prettily spotted with white. (Each 35c).

## Gladiolus

### AGGELER-MUSSER PRIZE STRAIN

We have something more here which we think will please the most exacting lover of flowers. Our strain of Gladiolus is one of the finest obtainable. The flowers are extra large, are carried on big stiff spikes, and contain a splendid range of colors. These we offer must not be confused with the ordinary cheap strains of Gladiolus. There is absolutely no comparison between them. Flowers five to six inches in diameter, with several open at a single time is nothing unusual in our strain. (Price, each 10c) (per doz. \$1.00).

### GERMAN IRIS

For planting in shady beds, Irises are unexcelled. They have often been referred to as the "Poor Man's Orchid," as they fully equal the latter in beauty and cost comparatively little. We imported from Europe a splendid set of the latest varieties of German Iris.

We can offer a novelty collection of eight splendid new varieties, including pure

white, light blue, brown, purple, etc., all with very large flowers and fine long stems. (Price, strong divisions, each variety named, 25c) (per doz. \$2.50).

**German Iris, General Collection.**—A splendid assortment of older sorts in a good range of colors. (Each 15c) (per doz. \$1.50).

**NOTE**—If either of the above varieties are wanted by mail, add 2 cents each for postage.

### ISMENE

Sometimes referred to as the Lily of the Incas, the grand native lily of Peru. With large pure white flowers three to four inches across and a conspicuous green center in each of the blooms. The flowers are deliciously fragrant and increase in beauty year after year. We strongly recommend this to all our customers as one of the best of the rare lilies. (Price each 35c) (per doz. \$3.50) If to go by mail add 4 cents each for postage.

## Aggeler-Musser Selection of Choice Shrubs, Trees, Hedge Plants, Etc.

**IMPORTANT NOTE**—The following plants and shrubs are too large and heavy to be sent by mail. All orders will be sent either by express or freight.

### ARAUCARIA

**Excelsa.**—Sometimes referred to as the "Monkey Puzzle Tree." A beautiful plant for jardinieres. Planted in the garden, a noble ornamental specimen. (Price each \$1.00).

### ARALIA

**Sieboldii.**—The Japanese paper plant. Leaves shine as though varnished. Makes a beautiful pot specimen on the porch and a large handsome shrub in a north shady position. (Price each 50c).

### BAMBOO

We have a fine collection of different varieties, including the dwarf and giant sorts. Nothing to equal them as a lawn specimen.

**Aurea-Variegata.**—Golden yellow variegated. Grows ten to fifteen feet high.

**Nigra.**—The black-stemmed variety. Grows ten to twelve feet high.

**Simonii.**—Variegated green and white. One of the most beautiful of all.

**Mitis.**—A strong growing Japanese variety, much used for furniture work, etc.

**Phillipine.**—A species from our new Eastern possessions. Equal to a fern in beauty; very dwarf. Four to six feet high.

Price of any of the foregoing varieties, nice strong divisions, each \$1.00; strong three year plants, each \$2.00.

### BREATH OF HEAVEN

**Diosma Alba.**—A dainty little shrub with small white flowers. Foliage deliciously scented. Young plants each 25 cents.

### BANANA

**Abyssinian.**—The giant foliage Banana from Africa. Leaves broad and leathery. Strong box plants each \$1.00.

### BOXWOOD

**English.**—Probably the most lasting and satisfactory of all dwarf hedge plants. They retain their dark green color through the season. Strong plants (each 20c) (per dozen \$2.00).

### CAMELLIAS

The well known Japonicas of the South. We have a fine assortment in nice plants ready to bloom. Six inch pots, price each \$1.25.

### CYPRESS

**Italian.**—This is the variety used in formal gardens; growth like a column, erect and compact. Young plants, each 50 cents.

**Monterey.**—A fine cypress for wind break hedges, etc. Price in flats of 100 nice plants, \$2.50.

### EUCALYPTUS

**Ficifolia.**—The famous scarlet flowered Eucalypt. One of the most beautiful of all ornamental trees. A blaze of fire when in bloom. Slow growing. Fine plants in boxes, each 75 cents.

### FICUS

#### (Rubber Plant)

**Elastica.**—A fine indoor ornamental tree with highly polished leaves. Very ornamental in the garden, but no good outside in cold localities. Six inch pot plants, \$1.00 per foot.

**GENISTAS**

Classed under this head are the various plants often referred to as scotch broom, etc. Handsome shrubs with pea-shaped flowers in white, yellow, brown, etc. **Strong five inch pot plants, which will bloom this year, each 75 cents.**

**GREVILLEA**

**Thelemanniana.**—A handsome fern like Australian shrub, covered with curious bright scarlet flowers. **Price each 35 cents.**

**HIBISCUS**

There is nothing more showy than a fine specimen hibiscus. In Southern California they grow with great vigor and bloom all the time.

**Double Crimson.**—Immense double crimson flowers.

**Peach Blow.**—Double, peach pink.

**Single Scarlet.**—Giant single scarlet flowers.

**Price each 25 cents.**

## Hydrangeas

**NEW GIANT WHITE HYDRANGEA****HILLS OF SNOW**

A grand new pure white, with immense heads of snowy blooms. This acquisition is a leader in new shrubs and ought to be planted everywhere. If you want something for a partially shaded bed, try a plant of this new and glorious variety. It blossoms in such profusion that the plant represents a miniature hill of snow; hence the name. It gets stronger and prettier year after year.

**Fine pot plants, each 35 cents. Strong two-year stock, each \$1.00.**

**Monstrosa.**—A giant paniced hydrangea of rich deep pink color. This variety is so large and beautiful that it has practically supplanted all other kinds of this shade. There is nothing in pink hydrangeas to touch it.

**Price—Strong plants, each 25 cents. Extra large, each 50 cents.**

**JACARANDA**

**Mimosaefolia.**—One of the handsomest of all flowering trees. Leaves fern-like in appearance and covered in season with masses of dark blue flowers. **Fine young trees, each \$1.00.**

**LEMON VERBENA**

The delicious fragrance of this shrub makes it a favorite with all. **Strong young plants, each 25 cents.**

**MAGNOLIA**

**Grandiflora.**—Few trees are more beautiful than the magnolia with its glossy leaves and giant fragrant blossoms. We have a nice lot of grafted plants. **Price each \$1.00. Prices of larger sizes on application.**

**OLEANDERS**

Splendid dwarf trees which bloom in great profusion. Largely used in the south. **Assorted colors, each 50 cents.**

**PRIVET**

**Japanese.**—A fine, clean and lasting hedge plant of very rapid growth. Just the thing you need to separate your garden from the orchard. It does the work and is cheaper and better than any fence. **In flats of 100 nice plants, \$5.00.**

**POINSETTIA**

**Single Scarlet.**—Nothing so attractive at Christmas and during the winter months as the brilliant cheery red of this plant. **Price—strong plants, each 50 cents; small size, each 25 cents.**

**PITTISPORUM**

These are Australian shrubs of great value for hedges, individual specimens, etc. The foliage is bright and glossy and the flowers sweetly fragrant.

**Rhombifolium.**—With yellow berries in winter. Very handsome.

**Nigra.**—A small leaved black stemmed sort.

**Undulatum.**—With rich dark green leaves.

**Price—Young plants, each 25 cents; per dozen \$2.50.**

**SNOWBALL**

This old fashioned shrub should find a place in every garden. It stands all kinds of weather and every spring is covered with huge panicles of white blossoms. **Fine big plants, each 75 cents.**

## VERONICAS

Lovely dwarf shrubs with spike of blue or purple flowers. They blossom all the time and make attractive specimens in beds or borders. Price—Each 20 cents; per dozen \$2.00.

## Vines

## AGGELER-MUSSER SELECTIONS OF CHOICE VARIETIES

We offer under this head the leading and most useful of the various climbing plants. In this sunny country vines should be planted in large numbers. They not only add to the attractiveness of a building, but give plenty of shade and comfort to the home.

## BOSTON IVY

Fine plant for covering brick walls, etc. It stands many degrees of freezing temperature without injury. In autumn the leaves assume a reddish copper tint. Strong plants in three-inch pots, each 25 cents.

## VIRGINIA CREEPER

Closely allied with the foregoing Boston Ivy, but with much larger foliage and more vigorous growth. In three and four-inch pots, each 25 cents.

## BIGNONIA

In Southern California the various Bignonias will be found invaluable as climbing plants. They nearly all come from Mexico and require a warm climate. In localities where freezing temperatures are very great, we advise our customers not to plant them.

**Chererei.**—A beautiful bright scarlet trumpet shaped variety with flowers fully three inches in diameter. One of the finest of all foliage vines. A rank grower. Plant in a warm sunny position. A very scarce variety. Each 50 cents.

**Venustus.**—Covered during the winter with glorious clusters of orange flowers. These are tubular in form and cover the plant from top to bottom. Each 25 cents.

**Violacea.**—Bright glossy green leaves and deep violet purple flowers two inches across. A most attractive vine when in bloom and of quite an unusual color. Each 35 cents.

**Tweediana.**—A lovely clinging small leaved bignonia. Handsome canary-yellow blossoms which entirely cover the plant in early spring.

**Mackenni.**—Beautiful pink species which grows with great rapidity. Each 25c.

## BOUGAINVILLEA

**Sanderiana.**—These are so well known in Southern California that it scarcely requires a description. Suffice to say they blossom almost perpetually. They have beautiful purple bracts and form one of the most attractive of all garden vines. Small plants, each 25 cents. Extra strong, each 50 cents.

## FICUS REPENS

A very ornamental climbing plant which fastens itself to stone or brick buildings by means of aerial roots and makes a dense mat of small dark green leaves. Each 20 cents; per dozen \$2.00.

## HONEY SUCKLE

A favorite old fashioned climber. The following are four of the best:

**Common Sweet Scented.**—Each 25 cents.

**Gigantea.**—Very large foliage and clusters of creamy white flowers. Each 25 cents.

**Scarlet Flowered.**—Blossoms deep scarlet, with orange and yellow shadings. Each 25 cents.

**Variegated.**—Foliage beautifully striped with green and yellow. Each 25 cents.

## IVY

**English.**—The best for all purposes with dark green foliage. Young plants, each 15 cents; per dozen \$1.50.

**Variegata.**—Prettily variegated with white on a deep, green ground. Price—Strong plants, 15 cents; per dozen \$1.50.

## JASMINE

The most fragrant of all climbing vines.

**Yellow.**—Semi-climbing, with very fragrant yellow flowers. Each 25 cents.

**White.**—Sweetly scented, pure white star shaped flowers. Climbing. Each 25c.

**Primulinum.**—A grand new golden yellow jasmine recently introduced from China. Flowers are fully an inch across. Blossoms in midwinter. Hardy and beautiful in the extreme, but with very little odor to the blossoms. Very scarce. Each 35 cents.

**MOON VINES**

**Maxima.**—An enormous pure white night flowered moon vine. One of the most beautiful of all night flowering vines. Each 25 cents.

**Learii.**—The common blue moon vine. Unequaled for covering sheds, unsightly fences, etc. Price—Each 20 cents.

**PLUMBAGO**

**Blue.**—Beautiful semi-climbing plant, with masses of pale blue flowers. Fine to fill odd corners, etc. Each 25 cents.

**PASSION VINE**

**Manicata.**—With deep brilliant scarlet flowers. One of the rarest of all passion vines, and one of the prettiest. If you want something nice in a climbing vine do not fail to include one of these in your order. Nice strong young plants, each 25c.

**MALAYAN JASMINE**

One of the most exquisite scented of all flowering vines. Flowers small, star-shaped and borne in such profusion as to simply cover the plant. Foliage dark green and leathery. Fine strong plants in five-inch pots, each 50 cents.

**POTATO VINE**

**Seaforthianum Album.**—Blossoms of medium size carried in large bunches. White shaded with purple. A rank grower, always in flower. Each 25 cents.

**Wendlandii.**—This is the giant of all Solanums. The foliage is large and leathery, and the entire plant is covered with gigantic trusses of pale blue flowers. These trusses often reach a diameter of one foot, with individual flowers one to two inches across in the truss. Plant this vine in full sun. Each 25 cents.

**SMILAX**

A few plants of these in your north border will give you some fine foliage for interior decoration. They grow easily and once planted produce strings year after year. Price each 10 cents; per dozen \$1.00.

**WISTARIA**

The Chinese Wistarias are well known. They are probably the most lovely of all climbing plants. They attain a great age and increase in beauty year after year. We offer two of the best kinds imported from Japan.

**Multijuga Alba and Coerulea.**—The first is a grand pure white; the second a deep rich blue. Our stock of these is imported from Japan. They are grafted plants, not seedlings. They bloom earlier and with much larger trusses than seedling plants. Price of either variety, plants three to four feet high, each \$1.25.

## Choice Herbs

### Extra Large Three Inch Pot Plants

When placing your order for plants, do not fail to include a collection of the following choice herbs. We have had numerous calls season after season for these, and are now able to supply them in fine pot grown plants, three inch size. Price—each 15 cents; per dozen \$1.50.

**SPECIAL OFFER**—One plant of each of the below named herbs, for \$1.00. If by mail, add 1 cent each for postage.

**Mint.**—Fine for seasoning, Juleps, etc.

**Sage.**—A well known plant for seasoning purposes.

**Sweet Marjoram.**—Highly fragrant foliage.

**Pot Marjoram.**—Similar to the above, but dwarfier.

**Rosemary.**—The true well known old variety.

**Balm (Meliss).**—Foliage when crushed emits a delicious fragrance similar to Lemon Verbena.

**Thyme (French).**—Well known to all good cooks and useful as a border plant.

**Lavender (True).**—Indispensable to the home garden.

**Lavender Spica.**—Similar to the preceding, but with different foliage; highly scented.

## SPECIAL OFFER GRAPE VINES

We have a splendid stock of table grapes, in big two-year old plants of grand quality. These big plants will fruit this season if planted early.

No garden, large or small, should be without a few of these luscious grapes. They grow with little care and aside from their value as fruit producers they may be used as ornamental vines to cover arbors, etc. The varieties we have to offer are the following:

**MUSCAT — TOKAY — CORNICHON — BLACK MOROCCO  
BLACK MALVOISE**

Price of any of the above, each 20 cents; per dozen \$2.00.

## Aggeler-Musser Choice Selection of Decorative Plants for the House and Garden

We offer under this head some of the best ornamental foliage and decorative plants. We carry a large stock and can supply them in any size from quite young plants to splendid large specimens.

### ASPARAGUS

**Plumosus.**—Better known as the Asparagus Fern, and one of the most easily grown of all decorative plants. It can be grown in pots or planted in a shady north bed. Nothing prettier for a parlor or living room. **Young plants in three inch pots, each 20 cents.**

**Sprengeri.**—As a porch plant or for use in hanging baskets, this variety is the best of all. It grows either in the sun or partial shade. If you want something nice for a hanging basket, try a plant of this. **Strong young plants, each 25 cents. Balled plants ready for six inch pots, each 50 cents.**

### ASPIDISTRA

The Japanese Aspidistras, although they throw no flowers, have broad and long dark green foliage which shines as though it were varnished. This is a splendid house plant and will last for an indefinite period without any light whatever, which makes it especially suitable for dark rooms. It is exceedingly slow growing and consequently high in price, but if you take into consideration its lasting qualities, it is one of the cheapest decorating plants you can get. **Six inch pot plants, each \$2.00.**

## Ferns

We are able to supply a fine line of ferns in the various hardy types, as well as those of more tender growth. The following are amongst the best for general purposes.

### ADIANTUM

**Cuneatum.**—The true Maiden-Hair Fern, and the best of all Adiantums. It requires either house or conservatory culture, being a tender species. The cut fronds are largely used in bouquets. **Young plants, each 15 cents; per dozen \$1.50. Specimen plants, each 75 cents.**

### ALSOPHILA

**Australis.**—A very rapid growing tree fern suitable for large ferneries. The plant in a fully developed state is a magnificent thing. It attains a spread of several feet; the fronds are very broad and long, lace-like in appearance, and are admired by everyone. **Price—Small plants, each 50 cents; extra fine specimens, each \$2.50.**

### ASPIDIUM

**Tsussimense.**—A very dainty, compact grower, with dark green leaves. One of the best for fern dishes, and equally good for the outdoor fernery. **Young plants, each 15 cents; per dozen \$1.50; larger, each 35 cents; per dozen \$3.50.**

### CYRTOMIUM

**Falcatum.**—Sometimes called the Holly Fern. An elegant hardy species, with broad palmate pinnae of a deep glossy green color. It grows readily in pots or may be planted outside in a well shaded fernery. **Each 25 cents; stronger, 35 cents.**

### LASTREA

**Aristata.**—With deeply cut fronds, and a band of yellowish green through the middle of the pinnae. **Price, each 15 cents; per dozen \$1.50.**

**Chrysoloba.**—With handsome dark green fronds, the young growth being prettily bronzed. **Price, each 15 cents; per dozen \$1.50.**



Pteris Tremula

**Wilsoni.**—A lovely hybrid. The fronds are heavily crested at the ends. One of the prettiest of this section.

**Wimsetti Multiceps.**—The fronds in this sort are divided into numerous long and short pointed pinnae. Light green in color. A really beautiful thing.

Price of any of the preceding Pteris, two inch pot plants, each 15 cents; per dozen \$1.50; four inch pots, each 35 cents; per dozen \$3.50.

#### NEPHROLEPSIS (SWORD FERNS)

These are probably the most useful of all ferns for house culture. They withstand the dry air of a living room, lasting for months in fine condition. The following are five of the best.

**Amerpohlii.**—One of the daintiest of all the numerous sports which have occurred from the Boston Fern. The plant is exceedingly dwarf in character, with very wide and delicate, lace-like fronds. It makes a superb plant for table decoration. Price—Strong young plants from three inch pots, each 25 cents; from five inch pots, fine specimens, each 75 cents.

**Bostoniensis.**—The well known Boston Fern. Taken in all its points, the most useful of all species and probably the most largely grown. Our stock, which comprises several thousand plants, is especially fine this season. Four inch pots, each 25 cents; five inch, 50 cents; six inch, 75 cents; eight inch, \$1.00.

**Piersoni.**—Commonly known as the Ostrich Plume Fern. A sport from the well known Boston Fern, with the pinnae again subdivided, and each having the appearance of a miniature leaf. A beautiful plant and quite feathery in appearance. Young plants, three inch pots, each 25 cents; five inch, 50 cents; eight inch, \$1.00.

**Exaltata.**—The old fashioned Sword Fern. Beautiful in shaded rockeries, ferneries, etc. Leaves long, narrow and quite upright in style of growth. Easily grown and useful for many purposes. Price—Strong young plants, each 15 cents; per dozen \$1.50; from three inch pots, each 25 cents; five inch pots, each 50 cents.

**NOTE.**—In addition to the species above described, we have stocks, and can supply at all times the best various hardy species of our native California Ferns, such as Adiantums, Woodwardias, Pteris, etc. They are splendid subjects for naturalizing in shady nooks, ferneries, etc.

#### PTERIS

The various species classed under this head offer a wide variation of frond form; are strong, thrifty growers, and taken as a whole, one of the most useful groups in the family. They grow well in ferneries, and are equally valuable for conservatory work.

**Adiantoides.**—Very large, dark green pinnae, much resembling those on some of the larger Adiantums.

**Cretica Alba.**—Broadly banded pure white through the center of the pinnae. Vigorous and hardy.

**Hastata.**—The pinnae or leaves forming the frond are distinctly spear-shaped. A beautiful species.

**Ouvardii.**—A pretty species with light green fronds.

**Tremula.**—The Irish brake fern. Fronds very broad, and attaining a height of three to four feet. A fine variety of phenomenally rapid growth.

## Palms

These are the stateliest and most majestic of all decorative plants, and by far the most largely used. We grow an immense quantity of the best varieties. Of *Cocos Australis*, *Cocos Plumosis*, etc., we grow a proportionate number.

### COCOS

**Plumosus.**—A tall, slender growing species from Brazil, with very narrow pinnae on long, beautifully arched stems. A fully developed branch might be well likened in shape (only on a much larger scale) to a perfect ostrich plume. It is, without any question, the most graceful of all palms grown in Southern California, and is largely used for planting in parkings, along driveways, etc.

Our stock is large, in splendid condition, and we can supply all sizes from young plants in two inch pots up to specimens ten to twelve feet high.

Young plants not showing character leaves, 18 inches to 2 feet high, each \$1.75; from four to five feet high, each \$5.00; prices of larger sizes on application.

**Australis.** — A magnificent, hardy palm quite different from the preceding, although under the same classification. The growth is more after the style of a Phoenix or Date Palm, but with a totally different appearance in general character. The leaf stems recurve towards the base of the plant, giving a graceful, arched effect. The foliage is gray-green in color.

This palm is very hardy, withstanding even the severe frosts of the colder portions of the San Joaquin Valley. It offers a wide planting range, and is one of the most graceful members of the palm family. We have a stock of several thousand, and anticipate a heavy demand when better known. A beautiful subject for the lawn, or in wide parkings and unexcelled as a tub plant.



**KENTIA**

(A made up plant in a 6-inch pot)

Price—Young plants in two inch pots, each 20 cents; specimens two feet high, each \$2.50; four feet, each \$5.00.

### LATANIA

**Borbonica.**—A beautiful fan palm with long slender stems; leaves bright, glossy green. The plant has a very wavy appearance and is one of the choicest fan palms for interior decoration. Extra fine large plants, with full six foot spread, each \$3.50.

**CHAMAEROPS**

**Excelsa.**—A very hardy, compact growing variety suitable for sidewalk planting, etc. The trunk is covered with a brown fibre, which gives the plant a curious aspect. Leaf stems short, with the leaves of medium size, flat and rounded. Small plants, two feet high, each \$1.50; balled plants, four to five feet, \$3.00 each.

**KENTIA**

When it comes to the point of a lasting and beautiful specimen for indoor decoration the Kentia takes precedence over all other cultivated species. It will thrive and grow for years in any ordinary living room, withstanding the naturally harsh and dry atmosphere characteristic of the interior of a building, with little more attention than judicious watering and an occasional repotting. It is advisable three or four times a year to give an ounce or two of blood and bone, stirring through the surface soil and watering afterwards.

**Baltimoreana.**—A very handsome palm with narrow pinnae and gracefully arched and recurved stems. A gem for house culture; not hardy in the garden except in shady, frostless locations.

**Fosteriana.**—Similar to the above in general appearance, but with wider pinnae; stems more erect in habit and a much faster grower.

Price of above two varieties: four inch pots, nice thrifty specimens, each 50 cents; made up plants (see cut), four to the pot, each \$2.00; plants three to four feet, each \$3.50; plants five to six feet, each \$5.00; plants six to seven feet, each \$7.50. For extra large specimens, price on application. We have them up to eighteen inch pots.

**PHOENIX**

**Canariensis.**—One of the best outdoor palms, being very hardy in nature, and making splendid specimens in a comparatively short time. This species is commonly referred to as the date palm. Fine specimens abound all over California. One of the best for lawn specimens; it also makes a splendid tub plant for landings, etc. We have a fine stock from small plants ten to twelve inches high up to specimens eight and ten feet. Price—Small plants, 50 cents; two to three feet \$1.50; three to five feet \$3.00 to \$3.50; larger \$1.00 per foot.

**Roebelini.**—A new and beautiful species introduced from Burmah a few years ago, which has since taken a leading position in the none too long list of palms suitable for interior decoration. It is an extremely slow grower, much the same shape as is general in Phoenix, but miniature in size. The pinnae are soft, light green in color, with gracefully arched stems. This palm exceeds Cocos Weddelliana in beauty, is hardier, and lasts under conditions which would kill the latter. We have experimented with this palm in the open garden, and are able to report that it is quite hardy planted out. It has a dainty appearance not found in any other species. Price—Strong plants one foot high, each \$1.50; eighteen inches, each \$3.50; specimen plants \$5.00 each.

**SEAFORTHIA**

**Elegans.**—A slender trunked pinnate palm of exceptional elegance. This species is only suitable for planting out in warm locations, as it will not withstand many degrees of frost.

It ranks with Cocos Plumosus in beauty, although totally different in character. The pinnae are arranged much after the manner of a Kentia. Young plants in three inch pots, each 25 cents; four to five feet high, each \$5.00; immense specimens in large tubs, ten to twelve feet high, with fine, slender trunks, \$20.00 to \$25.00 each.

**Washingtonia Robusta.**—The best type to be found in the California Fan Palm. A very dense and compact-leaved variety, with the base of the leaf stems a distinct reddish brown. This variety is much better in habit, color of foliage, etc., than the ordinary Washington Filifera. Price—each, balled plants three to four feet, \$1.50; four to five feet \$2.00.

**Zebrina.**—Similar in habit to univittata, but with slightly wider leaves, handsomely banded with white on a green ground. Height six feet. Price, each 35 cents; per dozen \$3.50.

**PAPYRUS**

**Antiquorus.**—From the valley of the Nile, and commonly referred to as the Egyptian Paper Plant. It is one of the most ornamental of all grasses, and one of the easiest to grow. The tall, feathery appearance of the plant is graceful in every sense of the term. It is a moisture-loving species, requiring a wet or damp ground, doing splendidly on the margins of lily ponds, etc. Strong plants from six inch pots, each 50 cents.

## Nursery Supplies

On this page we can only hint at some of the lines we carry, trusting you will, if interested, write and inquire more information. We carry a full line of Lawn Mowers, Garden Hose, Pruning Knives, etc. Look to the index to find what you want.

Flower Pots.—(2 in. 20c doz.) (3 in. 30c doz.) (4 in. 45c doz.) (5 in. 60c doz.) (6 in. 75c doz.) (7 in. \$1.00 doz.) (8 in. \$1.25 doz.).

Hanging Baskets (Clay)—(7 in. 15c each) (8 in. 25c) (10 in. 65c) (14 in. \$1.50).

Wire Hanging Baskets.—(10 in. 25c) (12 in. 35c) (14 in. 45c).

Wire Wall Pockets.—(10 in. 35c) (12 in. 45c) (14 in. 65c).

Pot Labels.—(Per 100 25c) (per 1000 1.25). (Prices given on different sizes).

Trowels.—(All steel 50c) (medium grade 25c) (cheap 10c).

Green Moss.—(Per lb. 15c) (10 lbs. \$1.00) (100 lbs. \$6.00).

Spagnum Moss.—Per bale \$1.75.

Sprinkling Cans.—(2 qts. 30c) (4 qts. 35c) (6 qts. 50c) (8 qts. 60c) (10 qts. 70c) (16 qts. \$1.00).

Grafting Wax.—Per lb. 25c.

Budding Twine.—Per ball 15c.

Budding Cloth.—Per yard 50c.

Raffia.—(Per lb. 20c) (10 lbs. \$1.50).

Balling Twine.—5-lb. ball 75c.

Hoes.—Each, from 25c to 75c.

Rakes.—From 50c to 85c.

Spades.—From 45c to \$1.25.

Spading Forks.—Long handle, \$1.00.

Balling Spades.—\$1.75.

Ladies' Garden Sets.—Made of best material. Per set \$1.25.

Axes.—Best forged axe at \$1.20 each. Axe Handles.—Best quality 20c.

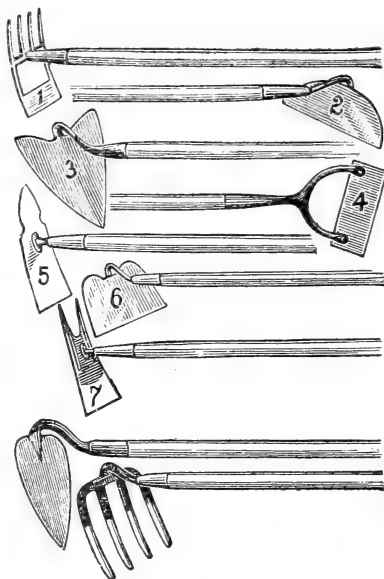
Lawn Mowers.—Prices \$2.50 to \$15.00. Write for particulars.

Pruning Shears.—Prices ranging from 50c to \$4.00.

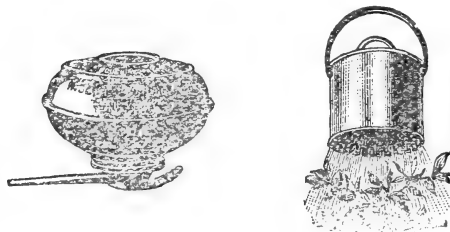
Pruning Saws.—All kinds and prices.

Garden Hose.—Write for particulars and prices.

Self-watering Flower Pots.—Something new for porches, windows and house plants. Made for hanging baskets or bench plants. Set the potted plant in the box, put the water into the box, the plant will get sufficient moisture by absorption through the pot. No leaky baskets or shelves. Price \$1.00 and up according to the size desired.

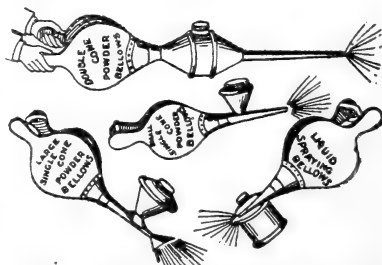


### Plant Dusters



Powder Blower.—Price 25c—by mail 30c.

Sulphur Duster.—Price 60c.



Powder Bellows.—Small size 60c—large size \$1.50.

Knoxweed.—Will kill all weeds in your lawn, on your sidewalk or drive-ways. One drop will kill a dandelion; it will never grow again. A small quantity will destroy Bermuda grass on your walks and drive-ways. Price per ½ pint can, 50c.

## Number of Trees or Plants to an Acre

Distance apart	No. plants	Distance apart	No. plants
3 ft. by 1 ft.....	14,520	12 ft. by 12 ft.....	302
3 ft. by 2 ft.....	7,260	14 ft. by 14 ft.....	222
3 ft. by 3 ft.....	4,840	15 ft. by 15 ft.....	193
4 ft. by 1 ft.....	10,890	16 ft. by 16 ft.....	170
4 ft. by 2 ft.....	5,445	18 ft. by 18 ft.....	134
4 ft. by 3 ft.....	3,630	20 ft. by 20 ft.....	108
5 ft. by 5 ft.....	1,742	25 ft. by 25 ft.....	69
6 ft. by 6 ft.....	1,200	30 ft. by 30 ft.....	48
8 ft. by 8 ft.....	680	33 ft. by 33 ft.....	40
10 ft. by 10 ft.....	435	40 ft. by 40 ft.....	27

**Rule.**—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet for each plant or hill, which divided into the number of square feet (43560) will give the number of plants to the acre.

## Useful Tables for the Farmer and Planter

Quantity of seed required to produce a given number of plants, or to sow a given quantity of ground.

Artichoke.....	1 oz. to 50 plants	Melon, Water.....	1 oz. to 30 hills
Asparagus.....	1 oz. to 50 plants	Melon, Musk.....	1 oz. to 100 hills
Beans, Dwarf.....	1 lb. to 50 ft. of drill	Okra.....	1 oz. to 50 ft. of drill
Beans, Tall.....	1 lb. to 75 hills	Onion Seed.....	1 oz. to 100 ft. of drill
Beet.....	1 oz. to 50 ft. of drill	Onion, Top Sets 1 lb. to	to 60 ft. of row
Broccoli.....	1 oz. to 1,000 plants	Onion, Bottom Sets 1 lb. to	75 ft. of row
Brussels Sprouts.....	1 oz. to 1,000 plants	Parsley.....	1 oz. to 100 ft. of drill
Cabbage.....	1 oz. to 1,000 plants	Parsnip.....	1 oz. to 100 ft. of drill
Carrot.....	1 oz. to 150 ft. of drill	Peas.....	1 lb. to 50 ft. of drill
Cauliflower.....	1 oz. to 1,000 plants	Pepper.....	1 oz. to 1,000 plants
Celery.....	1 oz. to 3,000 plants	Pumpkin.....	1 oz. to 25 hills
Chicory.....	1 oz. to 100 ft. of drill	Radish.....	1 oz. to 50 ft. of drill
Corn.....	1 lb. to 150 hills	Salsify.....	1 oz. to 50 ft. of drill
Cress.....	1 oz. to 150 ft. of drill	Sage.....	1 oz. to 100 ft. of drill
Cucumber.....	1 oz. to 100 hills	Spinach.....	1 oz. to 50 ft. of drill
Eggplant.....	1 oz. to 1,000 plants	Squash, Early.....	1 oz. to 50 hills
Endive.....	1 oz. to 1,000 plants	Squash, Winter.....	1 oz. to 15 hills
Kale.....	1 oz. to 1,000 plants	Tomato.....	1 oz. to 1,000 plants
Kohlrabi.....	1 oz. to 1,000 plants	Tobacco.....	1 oz. to 10,000 plants
Leek.....	1 oz. to 100 ft. of drill	Turnip, Early.....	1 oz. to 75 ft. of drill
Lettuce.....	1 oz. to 1,000 plants	Turnip, Rutabaga 1 oz. to	100 ft. of drill

## Seeds Required to Sow an Acre of Ground

	Lbs. to the acre		Lbs. to the acre
Alfalfa.....	25	Beans, Dwarf or Bush—drills.....	70
Barley—broadcast.....	100	Beet, Garden.....	6
Beans, Dwarf or Bush—hills.....	50	Beet, Sugar.....	12
Beet, Mangel Wurzel.....	8	Peas—drills.....	50 to 80
Broom Corn—drills.....	12	Potatoes—hills.....	500 to 600
Buckwheat—broadcast.....	45	Pumpkins—hills.....	3
Cabbage—in beds to cover an acre		Radish—drills.....	12
after transplanting.....	½	Rye—broadcast.....	100
Carrots—drills.....	3	Spinach—drills.....	20
Corn, Sweet or Field—hills.....	15	Squash, Bush varieties—hills.....	4
Cucumber—hills.....	1 to 2	Squash, Running varieties—hills.....	3
Grass, Italian Rye.....	30	Tomato—in beds to transplant.....	1-8
Millet.....	25	Turnip and Rutabaga—drills.....	2
Oats—broadcast.....	100	Turnip and Rutabaga—broadcast.....	3 to 4
Onions, for Dry Bulbs—drills.....	4	Vetches—broadcast.....	75
Parsnips—drills.....	5	Wheat—drills.....	75

### OUR LAWN GRASS SEED—Sow One Pound to the Square Rod

We give particular attention to the quality of our Lawn Grass Seed. Our Kentucky Blue Grass and our White Clover is always tested thoroughly before purchasing. The result is that gardeners will have no other, knowing they will not be disappointed.

## Agricultural Books

	Price.	Postpaid.
Asparagus, by Hexamer .....	\$ .50	\$ .60
Alfalfa, by Coburn .....	.50	.60
The Book of Alfalfa, by Coburn .....	2.00	2.20
A B C of Agriculture, by Weld .....	.35	.40
Bean Culture, by Sevey .....	.50	.60
Cabbage and Cauliflower, by Allen .....	.50	.60
Celery Culture, by Beattie .....	.50	.60
Celery for Profit, by Greiner .....	.50	.55
Cereals of the United States, by Hunt .....	1.75	1.85
Chrysanthemum, by Herrington .....	.50	.60
California Fruit and How to Grow It, by Wickson .....	3.00	3.20
California Vegetables, by Wickson .....	2.00	2.15
Farm Grasses of the U. S., by Spillman .....	1.00	1.10
Forage Crops, by Shaw .....	1.00	1.10
Flax Culture .....	.30	.35
Ginseng, by M. G. Kains .....	.50	.60
Gardening in California, by Lyon .....	1.00	1.10
Gregory on Fertilizers .....	.25	.33
Insects and Insecticides, by Weed .....	1.50	1.65
Injurious Insects, by Sempers .....	.40	.50
Irrigation for the Farm, Garden and Orchard, by Stewart .....	1.00	1.10
Irrigation, by Wilcox .....	2.00	2.20
1905 Manual of Soil Culture, or Dry Farming, by Campbell .....	.50	.55
1907 Manual of Soil Culture, or Dry Farming, by Campbell .....	2.50	2.60
Mushrooms; How to Grow Them, by Falconer .....	1.00	1.10
Onion Culture .....	.20	.25
New Onion Culture, by Griesner .....	.50	.60
Peanut Culture, by B. W. Jones .....	.50	.55
Potatoes for Profit, by Van Ormer .....	.20	.25
Rhubarb Culture, by J. W. Morse .....	.50	.60
Strawberry Culture, by A. S. Fuller .....	.25	.30
Sweet Potato Culture, by Fitz .....	.50	.60
Soils, by Burkett .....	1.25	1.40
Spraying Crops, by Weed .....	.50	.60
Tomato, by Tracy .....	.50	.60
Tomato Culture, by Root .....	.30	.35
Talks on Manures, by Harris .....	1.50	1.60
Hand-Book of Tree Planting .....	.75	.85

## Literature for Poultrymen

	Price.	Postpaid.
American Standard Perfection (1911) .....	\$1.50	\$1.60
Artificial Incubation and Brooding .....	.50	.60
American Canary and Small Bird Fancier .....	.50	.60
Barred White Buff Plymouth Rocks .....	.50	.60
Broilers for Profit .....	.50	.60
Bantam Fowl .....	.50	.60
Capons for Profit .....	.50	.60
Diseases of Poultry .....	.50	.60
Duck Culture (By Rankin) .....	.50	.60
Ducks and Geese .....	.75	.85
Felch Poultry Culture .....	1.50	1.60
Leghorns, Brown, hWhite and Buff .....	.50	.60
Money in Squabs and Broilers .....	.50	.60
National Standard Squab .....	.40	.45
Poultry Houses and Fixtures .....	.50	.60
Poultry Architect .....	.50	.60
Poultry Remedies .....	.25	.30
Profitable Poultry Farming .....	.25	.30
Successful Poultry Keeper .....	1.00	1.10
The New Egg Farm .....	1.00	1.15
Turkeys, All Varieties .....	.50	.60
Two Hundred Eggs Per Year; How to Get Them .....	.50	.60
The Wyandottes .....	1.00	1.10
Wright's Poultry Book .....	2.00	2.15
Western Poultry Book .....	1.00	1.10
500 Questions and Answers .....	.25	.30

## Insecticides for the Vegetable Garden

Plant	Injury	Cause	Name	Remedy or Preventive
Asparagus	Shoots eaten	Beetle and Grub	Asparagus beetle	Use Paris Green
Asparagus	Shoots rusted	Rust	Asparagus rust	Bordeaux
Bean	Leaves eaten	Grub	Bean beetle	Nico-Fume
Bean	Leaves and pods spotted	Plant Disease	Anthrachnose	Bordeaux
Beet	Leaves spotted	Plant Disease	Leaf-Spot	Bordeaux
Cabbage	Leaves lousy	Plant Lice	Cabbage Aphis	Nico-Fume
Celery	Yellowish-spotted leaves	Fungus	Celery Blight	Bordeaux
Cucumber	Gnawed leaves	Black and yellow beetle	Striped-Cucumber Beetle	Poisoned Bordeaux
Cucumber	Lousy tips	Aphis	Aphis	Nico-Fume
Cucumber	Mildewed leaves	Fungus	Downy Mildew	Bordeaux
Potato	Black leaves	Plant Disease	Potato Blight	Bordeaux
Potato	Scabby potatoes	Plant Disease	Potato Scab	Formaldehyde
Squash	Mildew leaves	Fungus	Mildew	Bordeaux
Squash	Lousy tips	Plant Lice	Aphis	Nico-Fume
Tomato	Black leaves	Plant Disease	Tomato Blight	Bordeaux

## Insecticides

**Nicoteen (Liquid).**—An extract of tobacco, containin about 40 per cent nicotine. A most effectual, economical and safe remedy for fumigating greenhouses. Use a scant teaspoonful to 1½ pints of water for each pan, which is sufficient, when vaporized by placing a hot iron in it, for 600 square feet of floor space. **Price, pint bottle, \$1.50.**

**Kerosene Emulsion (Liquid).**—Prepared according to the most improved formulae; ready for use by simply adding water (25 to 50 parts water to one of Emulsion) for Cabbage Worm, scale on trees, caterpillars, melon louse, rose bugs, green fly and lice of all kinds, all sucking insects, either on plants or animals. **Price, per gallon, 50c.**

**Nico-Fume (Liquid)** is the best spray for aphis on cabbage, peas or vines, or whenever they may be found; also a preventive of mildew when sulphur is used with it. One pint of Nico-Fume is diluted to twenty gallons of water. Printed directions go with each can. **Price, ¼ pint 50c; 1 pint \$1.50; ½ gallon \$5.50; 1 gallon \$10.50.**

**Bordeaux Mixture (Liquid).**—The great preventive of mildew wherever it may appear. Sure preventive of blight on tomatoes, potatoes and celery. It is death to any fungus growth. It is a sure preventive, but do not expect it to eradicate where once the disease is established. One quart diluted to twelve gallons. **Price 1 qt. can 50c.**

**Whale Oil Soap.**—One of the best insecticides to use against insects that eat the foliage, and where it is dangerous to use poison. It is also proof against mildew. One-fourth pound diluted to two and one-half gallons. **Price, ¼ &. 10c; ½ lb. 20c; 1 lb. 35c; by mail 10c lb. extra.**

**Paris Green (Powder).**—Sure death to all insects that eat the foliage. One ounce to five gallons water well mixed. **Price, 1-lb. box 50c.**

**Bug Death (Powder).**—Apply to roses and all plants attacked by slugs. It is sure death to cut-worms, etc. **Price, 1 lb. 20c; by mail 30c.**

**Ant Powder.**—This is guaranteed to drive ants out of your garden or plant beds; particularly effective in large Eucalyptus seed beds, and absolutely harmless to the young plants. For hot beds we give it special recommendation. It will eradicate all insects. **Price—Per lb. 20c—by mail 30c.**

**Hellebore.**—For insects on currants, vines, shrubs and on all plants where it is safe to apply poison. It is a powder put up in ½ lb. boxes. **Price per box 25c. Cannot be sent by mail.**

## INSECTICIDES—Continued

**Arsenate of Lead.**—A poison to destroy insects that eat the foliage. Do not apply where there is any danger that the poison may be eaten by any person or stock. Dilute three pounds Arsenate of Lead to fifty gallons of water. **Price—Per 1-lb. can 25c.** Cannot be sent by mail.

### CREOLIUM

Peerless Purifier, Atni-Toxin, Non-Poisonous, Antiseptic, Germicide, Insecticide, Deodorizer, Disinfectant.

CREOLIUM is not a new untried article. It has been in the market for about twenty years and is used extensively all over the civilized world. It is safe and reliable. **BE SURE YOU GET THE GENUINE CREOLIUM.**

Poultrymen can make a solution for five cents per gallon by adding one gallon CREOLIUM to fifty gallons water, this solution will destroy all and any lice, mites or vermin on horses, cattle, sheep, swine or poultry, also all vermin that infest the buildings. The solution must be applied thoroughly and repeated when necessary.

CREOLIUM is valuable to Dairymen to use with their cows, for cow bloat, giving internally two tablespoonfuls CREOLIUM well diluted in a quart of water. Dairymen also use it as a general disinfectant, being the best they can buy.

CREOLIUM has many uses not mentioned here. Circular matter describing it in full will be supplied at your request.

### PLANT INSECTICIDE AND FUNGICIDE

#### Directions

For Aphis, Thrips, Red Spider, Caterpillars, etc., on soft fresh growth dilute with 99 parts of soft water.

For moulds on rose bushes, dilute with 75 parts water.

For scale insects on orange trees and all other firm growths, dilute with 45 parts water.

All the solutions are more effective if applied warm.

For wood galls of every description, gumming, etc., the contents may be applied without dilution.

### STANDARD STOCK DIP

For Horses, Cattle, Hogs, Sheep and Poultry

Non-Poisonous and Harmless to Human or Animal Economy

The Department of Agriculture permits a dip to be used for official dipping providing the manufacturer complies with certain published rules and regulations concerning the composition, uniformity and reliability of manufacture.

Those rules and regulations having been complied with, the STANDARD STOCK DIP is recognized as one of the official dips and its use is permitted for official dipping by the Department of Agriculture.

**Notice.**—Liquids cannot be sent by mail. Please do not request it.

### THE THOMPSON ADJUSTABLE TREE SUPPORT



is made of **galvanized** hoop steel formed into a hook and so shaped that it can not injure the limb.

When installing this support in the tree, pass the wire through the hole in the hook, then place the hook in position upon the limb, bend the wire about the hook allowing it to pass into the slot and take a turn or two about the wire as illustrated. Having the first hook now secured, pass the wire through the hole in another support, raise the limb to the required position, slip the hook along the wire to the proper place and secure as before directed.

Place the supports above projecting branches on the limb to secure them against slipping down.

**These supports are out of the way of everything.**

**They are perpetual.**

**There is no further expense after putting on.**

The proposition is simply to make opposite limbs support each other, or the center limbs to support the outer limbs, thus doing away entirely with the ordinary wooden prop. **Price—(Per 100 \$1.50) (1000 \$13.50).**

## Gophergo

Gophergo is sure to kill, easy to use, cheap and will kill ten gophers where traps and other devices get one. All experience gophers fighters find poisoning the best method, but it must combine three points: Something that they will eat, it must be thoroughly poisoned, must be placed where they will get it. Gophergo does it. Try it. It is sold in cans, 25c, 50c, \$1.00 and \$2.50. The large can will kill 800 to 1000 gophers.

### GOPHER SMOKER

Does the work of exterminating all your gophers and squirrels with no expense but your time and labor. Send for illustrated circular describing its operation. Price \$10.00.



Gopher Smoker



Macabee.

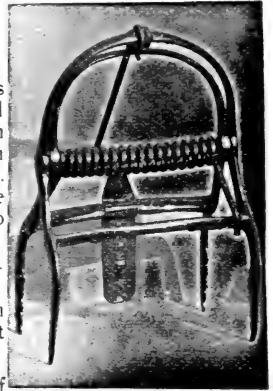
## Mole Trap

**Mole Trap.**—It is the best that has been patented. If properly placed over the runway it is sure to catch the mole, no matter which direction he travels. Louie Dick, a Chinaman, reported five moles the first week he had it. He says it has never failed to catch. Price 75c—by mail \$1.05.

From Mrs. M. E. Edrington, Lompoc, Cal.:

"I wish to say I am very much pleased with the mole trap; caught six moles the first week."

**Gopher Smoker.**—Price \$10.00. If interested ask for special circular describing it.



Mole Trap

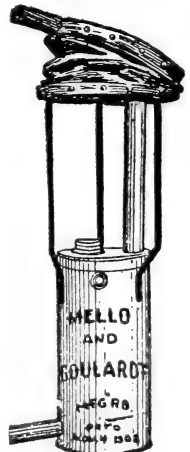
## Gopher Trap

**Macabee Gopher Trap.**—This is the most convenient Gopher Trap yet put on the market. It is easy to set and, being small, it can be extended far down into the hole. You never fail to get your gopher when two traps are set in opposite directions in the main run. Price 20c—by mail 30c.

**Box Trap.**—Price 25c.

## Squirrel Exterminator

**Eureka Squirrel Exterminator.**—With the use of Carbon Bi-Sulphide this is the best and cheapest implement with which to eradicate the squirrel and gopher pests on your land. We can confidently recommend the use of this machine in vineyards, orchards, grain fields, pasture lands, etc. It is of simple construction, best galvanized sheet steel with a bellows attached. The working of the bellows causes the Bi-Sulphide in the machine to generate a gas which is forced through the hole or holes, not forcing in any liquid, but simply a gas from the Bi-Sulphide, thus saving 75 per cent of the Carbon Bi-Sulphide bill over the old way of saturating balls of old rags or cotton. A colony of squirrels can soon destroy fifty dollars' worth of vegetation. Six dollars expended for this Exterminator will destroy all the squirrels or gophers about your place. Price, \$6.00. Weight crated 12 lbs.

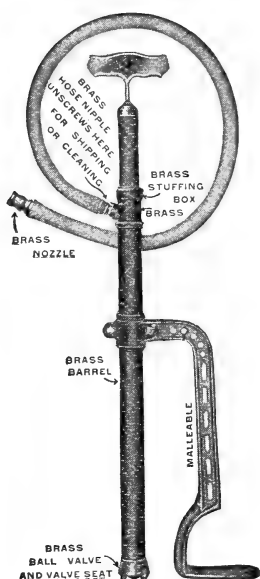


Eureka Squirrel Exterminators

We have other traps not listed here. Ask for any kind you want; we will get it for you.

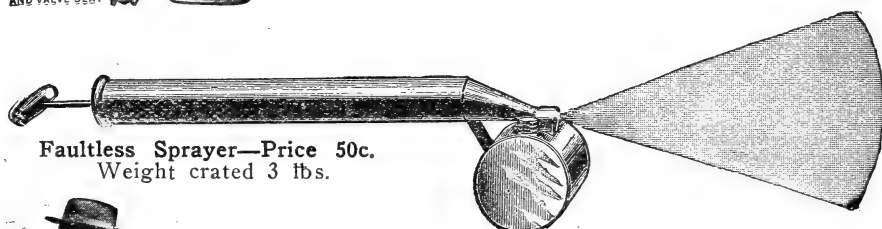
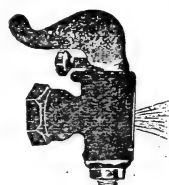
## Prize Spray Pump

**Prize Spray Pump.**—A pump that will spray white-wash or any other mixture. Made of solid brass, no leather valves to wear out or be eaten up by the white-wash. Throws a continuous stream and is so simple that a child can take it apart. The Pump shown on this page is almost entirely of the best grade of brass, hence it cannot be affected by the action of the white-wash or of any ordinary spraying solution. It is fitted with a Bordeaux Nozzle. Altogether it is the most durable and serviceable bucket pump made. **Price, \$5.00 each.**



**Bordeaux Nozzle—Price \$1.00.**

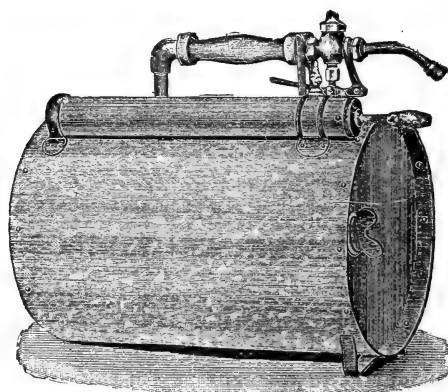
For Bordeaux Mixture and White-wash. It cleans itself by reversing the aperture.



**Faultless Sprayer—Price 50c.**  
Weight crated 3 lbs.



**Lowell Sprayer in Operation.**



**Lowell Compressed Air Sprayer.**

**Lowell Compressed Air Sprayer.**—No back-breaking; no shirking the work. It is done too easily. No waste of liquid, the automatic valve is always closed except when touched lightly with the index finger. Holds three gallons. Fill two-thirds with liquid and pump air into it with all the pressure you can control. It is then ready to operate. There is a rubber extension to reach low and high plants, also a curved rod extension that a man standing can spray the under side of the leaves of small plants. This is absolutely the best Sprayer yet offered. **Price without curved rod extension, \$6.00. Price of curved extension, \$1.00.** Weight crated 20 lbs.

**King Barrel Spray Pump.**—To be used on a wagon for orchard and field use. Pump pipe and nozzle complete without barrel, **\$15.00.**

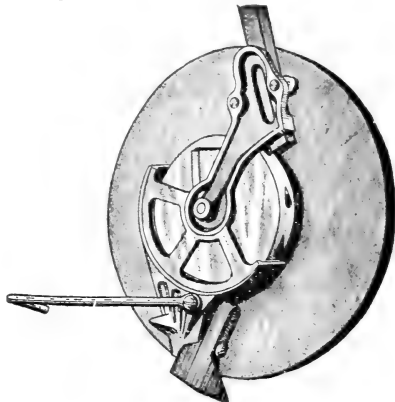
**Spray Boom** for spraying four rows potatoes, celery, etc, ready to attach, **\$14.00.** If interested call to see them or write for description.

## Farm and Garden Tools

**Eureka Seed Drill.**—A garden Seed Drill that will distribute beet, cabbage, celery, carrot, lettuce, radish, turnip and all similar seeds with perfect regularity. It is utterly impossible for it to sow any way but accurately, doing the work as thoroughly as the most costly machines, and will cover ten times the ground that can possibly be covered by hand. It is simple in construction, so easily understood that a child can be taught to use it. Price \$1.25—by mail, postpaid, \$1.65.



**Cahoon Seeder.**  
Weight crated 8 lbs.



**Eureka Seed Drill.**

**Cahoon Seed Sower.**—The standard Sower, acknowledged to be superior to all other hand Sowers. Gives perfect satisfaction and can be used for sowing alfalfa and all grains broadcast. Sows from four to eight acres per hour at a common walking gait. A saving of four-fifths of the labor and one-third of the seed by its use. A person entirely unaccustomed to sowing by hand can use this machine with perfect success. Price \$3.50.



**Pennsylvania Fruit Picker**

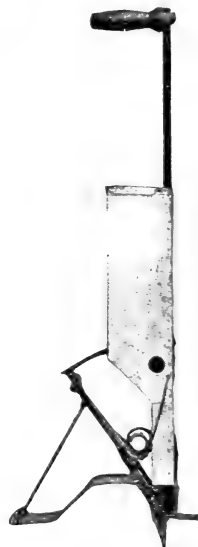
Picker and the fruit is caught in the pocket prepared for it. Every ranch that has half a dozen or more fruit or walnut trees should have one or more Pennsylvania Fruit Pickers. Price 50c—by mail 65c.

Always in stock a full line of up-to-date garden tools of every description. When interested call to see them or write for description.

### Segment Corn and Bean

**Planter.** — The handsomest, lightest, most accurate, strongest, cheapest and most up-to-date Planter on the market. Never cracks a kernel nor skips a hill. It is always in position, never makes wrong move. Many gardeners are using this for their replanting and melon growers are using it to plant watermelons and canteloupes. (See picture.). Price \$1.50.

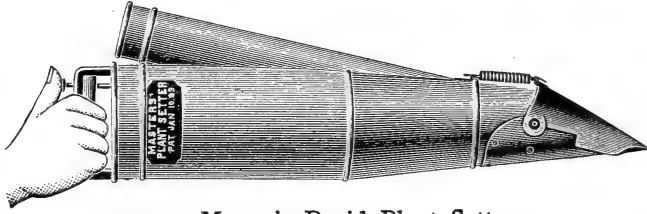
Ask for anything you may want pertaining to garden tools, we probably have it, although not listed.



**Segment-Corn Planter**

**The Pennsylvania Fruit Picker.**—No ranch is completely equipped without this valuable tool. It is always the choicest fruit that cannot be reached from the ladder; you do not wish to knock it down with a club as the fall would bruise it. Use the Fruit

## FARM AND GARDEN TOOLS—Continued



Master's Rapid Plant Setter

**Master's Rapid Plant Setter.**—The only hand mechanical plant setter on the market. No stooping when using it, therefore no lame backs. All kinds of plants, Cabbage, Tobacco, Tomatoes, Cauliflower, Strawberries, Sweet Potatoes, Sugar Beets, etc., are set in water and covered at one operation.

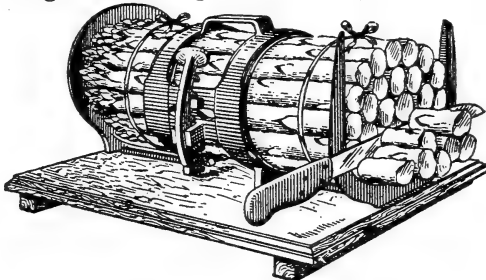
Price each, \$3.70. Ask for circular.

## Lawn Sprinklers

We have almost every kind of Sprinkler that has ever been offered the public. Among them we have one that we especially recommend; it throws a square spray. This is particularly desirable in gardens and on city lawns, to avoid sprinkling the sidewalk. The price of this desirable Sprinkler is only 65c by mail. **Twin Sprinkler.**—Price 45c postpaid.

**Black Hawk Corn Sheller.**—Shells easily and rapidly separates the cob from the corn. We give it special recommendation to poultry men. Price, \$2.00.

**Asparagus Buncher.**—No. 1, 3 in. to 3½ in. bunches; No. 2, 4 in. to 5 in. bunches. Length can be regulated from 7½ to 12 in. Price, No. 1, \$2.50—No. 2, \$2.75.



Asparagus Buncher

**Havil Lawn Weeder.**—Pulls weeds, roots and all. No sore knuckles. Price 35c—by mail 45c.



Lawn Sprinkler

**Asparagus Moss.**—We always have on hand a large supply of moss for Asparagus Shippers. Price on application.

**Asparagus Tape** for tying bunches. While we offer tape for this purpose, we recommend the use of Raffia as being more sanitary, cheaper and better than tape. The large growers along the Sacramento river use Raffia exclusively. One pound is equal to 700 yards of tape. Price, (1 lb. 15c) (by mail 10c per lb. extra. For large quantities write for price.



Asparagus Knife.—Price 50c—by mail 65c.



Havil Lawn Weeder.—35c each.



**Vine Pruner.**—Just the tool to trim blackberry, raspberry, dewberry and Loganberry vines. No scratched hands. You cannot do the work well without this tool. Price, \$1.00.

**Transplanting Trowel.**—The best tool yet made for transplanting. No blistered hands. Price 50c—by mail 65c.

We have enumerated only a few of the specialties we carry. We have always on hand a full line of Garden Tools of every description and for every conceivable purpose. Ask for anything you may want in this line. We have it.

## GARDEN CULTIVATORS AND SEEDERS

In addition to a full line of Planet Jr. and Iron Age tools we have specialties in other lines that seem suited for particular lines of work. These items are too numerous and space too limited to give detailed description. If interested call and see them or write for description stating the purpose for which they are intended.

## Planet Jr. Garden Tools

Space will not permit a detailed description of all the garden tools we offer, but a short reference to each will suffice to let you know what we have, and if interested, please write for special circular or detailed description of what you want.

### No. 14 Planet Jr. Double Wheel Disc Hoe

Price, With Attachments, as  
in cut, \$9.00.

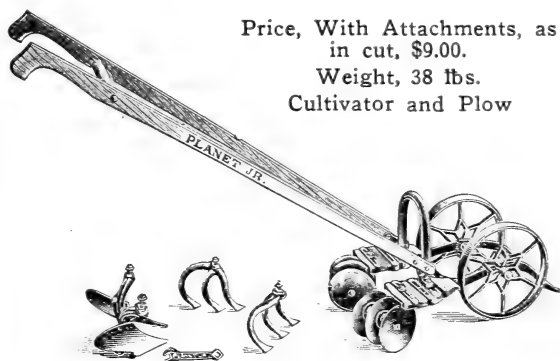
Weight, 38 lbs.

Cultivator and Plow

This new tool will give excellent satisfaction; is especially pleasing to all who work peat lands. There are three oil tempered discs on each side.

The set of prong cultivator teeth are constructed on entirely new lines, and will be found invaluable in general cultivation.

The plows are the regular Planet Jr. model and are continually valuable for furrowing, covering and plowing.

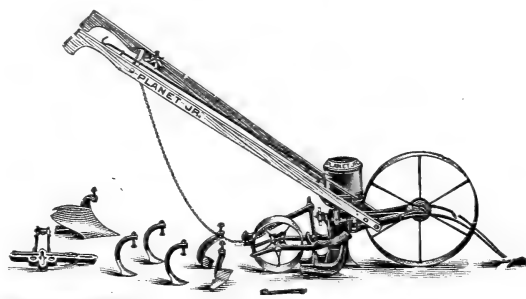


No. 14

**No. 6 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow**  
Price, Complete, \$14.50. Weight, packed, 64 lbs. As a Seeder Only, \$12.00 As a  
Wheel Hoe only (No. 36) \$7.00. Holds over 2 Quarts of Seed.

This is our latest Combined Hill and Drill Seeder and Wheel Hoe, and after three years' gratifying use in the field, every detail has been perfected.

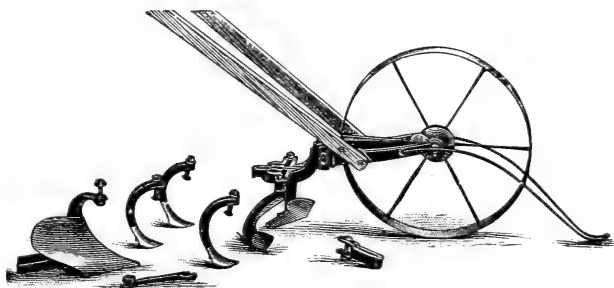
**What It Will Do.**—It drops all garden seeds in hills and sows in drills, with the greatest regularity, in a narrow line, to any exact depth required, covers, rolls down and marks the next row, all at one passage. As a wheel hoe, it hoes, cultivates and plows all garden crops, completing a row at every passage, up to 16 inches in width.



No. 6

**No. 36 Planet Jr. Single Wheel Hoe, Cultivator and Plow**  
Weight, packed, 33 lbs.

Price, Complete, \$7.00



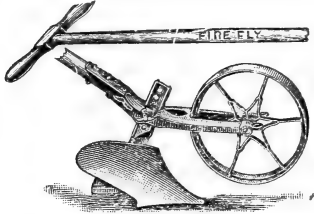
No. 36

The whole combination is the best and most useful we have ever offered. We advise buying the machine complete, as there is a considerable saving by doing so, but we sell the seeder and the Wheel Hoe separately if desired. The extra attachments will also fit the No. 6 machine complete with the No. 36 Wheel Hoe.

We have the largest assortment of garden tools in the Southwest:

## PLANET JR.---Continued

Planet Jr. No. 25, Combined Hill and Drill Seeder and Double Wheel Hoe and Cultivator and plow. Price, \$14.50. Weight, packed, 59 lbs.

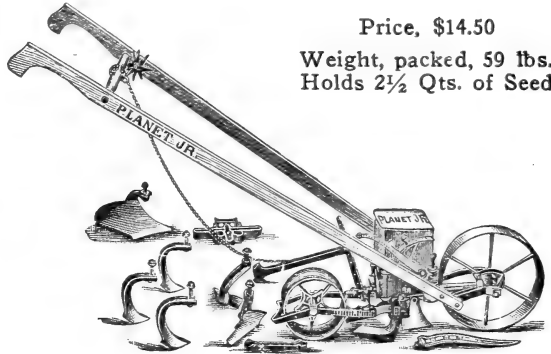


Fire Fly

Planet Jr. Firefly.—1 plow only. Price \$3.00. Weight, 30 lbs.

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

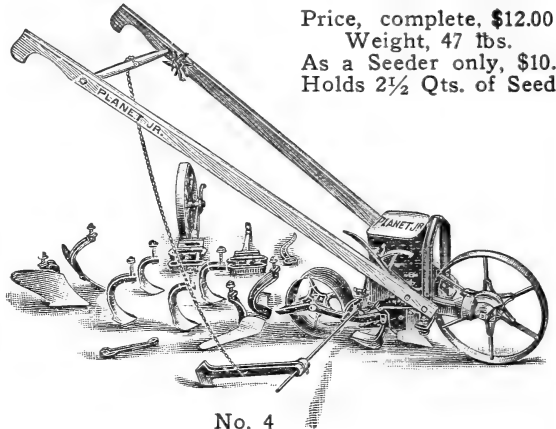
This tool combines, in a single convenient implement, a capital hill-dropping seeder, a continuous row seeder, an admirable single wheel hoe, an excellent furrower, a capital wheel cultivator and a rapid and efficient wheel garden plow. As a Seeder the No. 4 is accurate, simple, durable, reliable and easy running, doing first-class work in every particular.



No. 25

Price, \$14.50

Weight, packed, 59 lbs.  
Holds 2½ Qts. of Seed



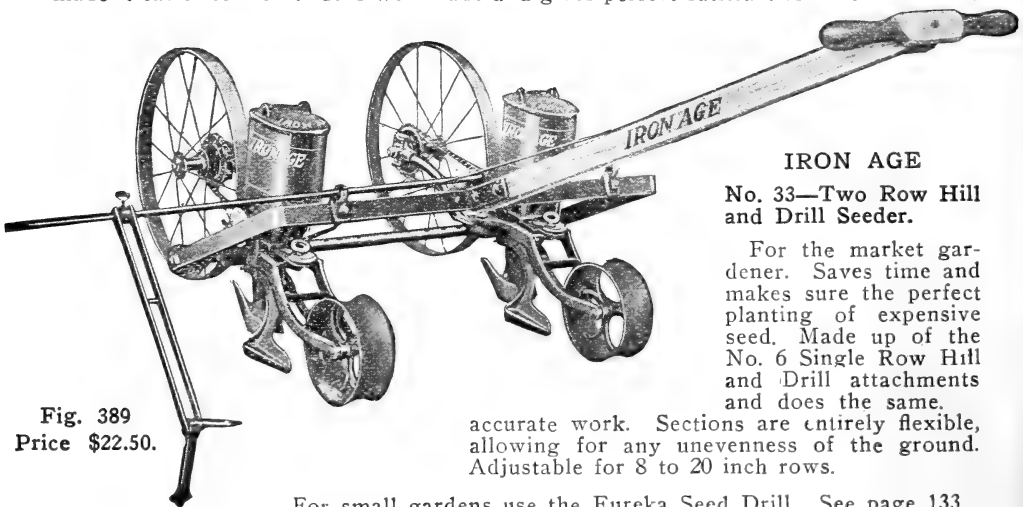
No. 4

Price, complete, \$12.00  
Weight, 47 lbs.

As a Seeder only, \$10.  
Holds 2½ Qts. of Seed

## Iron Age Garden Implements

The Iron Age Cultivators are very popular because of the large wheel which has made it easier to work. It is well made and gives perfect satisfaction wherever used.



## IRON AGE

No. 33—Two Row Hill and Drill Seeder.

For the market gardener. Saves time and makes sure the perfect planting of expensive seed. Made up of the No. 6 Single Row Hill and Drill attachments and does the same.

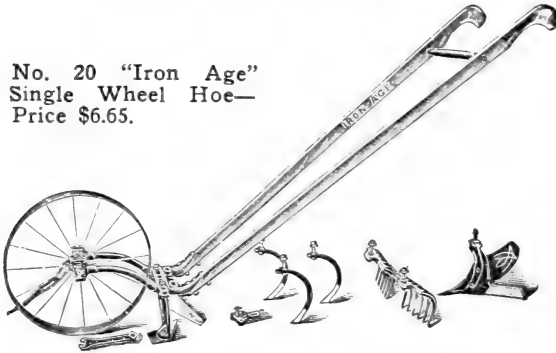
accurate work. Sections are entirely flexible, allowing for any unevenness of the ground. Adjustable for 8 to 20 inch rows.

Fig. 389  
Price \$22.50.

For small gardens use the Eureka Seed Drill. See page 133.

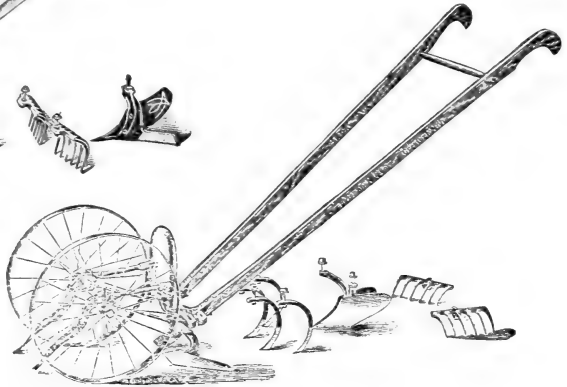
## IRON AGE GARDEN IMPLEMENTS--Continued

No. 20 "Iron Age"  
Single Wheel Hoe—  
Price \$6.65.



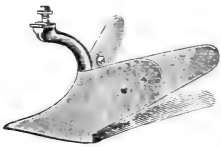
No. 20

No. 1—The change from a Seed Drill to a Double or Single Wheel Hoe is quickly made. The Photograph shows the Double Wheel Hoe with side hoes applied.



No. 1

"Iron Age" Double and Single Wheel Hoe  
Price \$8.00



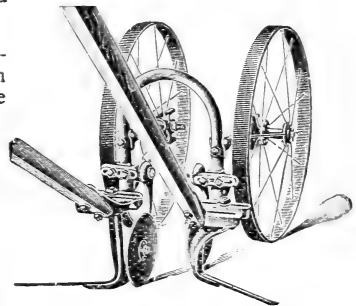
No. 170 Double Moleboard  
Plow

No. 170—Double Moleboard Plow. Will fit on Nos. 1 and 20 frames. Price \$1.55.



No. 6

No. 169—Disc Fenders for protecting small plants when cultivating. Price \$1.25. It cuts the crust, preventing the shovels from tearing up the plant.



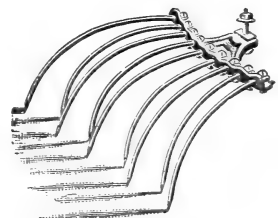
No. 169 Disc Fenders

No. 6—Combined in this tool are three distinct and thoroughly practical implements, a Hill and Drill Seeder, a Double Wheel Hoe and a Single Wheel Hoe. As a Hill and Drill Seeder Packed weight, 57 lbs. Price \$13.00.

No. 84—Weeder and Mulcher

No. 84—Weeder and Mulcher for No. 20 frame. Price 90c.

No. 81.—Weeder and Mulcher for No. 1 frame (not shown). Price \$1.25.



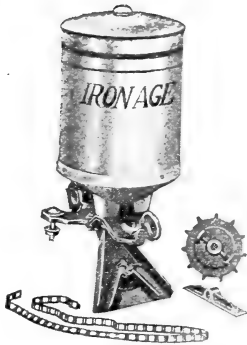
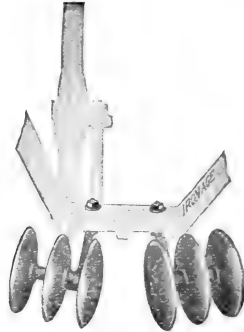


Fig. 184

No. 25—"Iron Age" Fertilizer Distributor Attachment

No. 184—Fertilizer Attachment as a Side Dresser. Will fit on Nos. 1 and 20 frames. Price \$4.75.  
No. 235.—Fertilizer Attachment as a Drill. Will fit on Nos. 1 and 20 frames. Price \$5.25.



No. 365—Disk Attachment

No. 365—Disk Attachment. Will fit on Nos. 1 and 20 frames. Price complete, \$2.25.



No. 19 "Iron Age" Wheel Plow and Cultivator  
Packed Weight, 22 pounds—Price \$4.00

No. 19—To meet a demand coming from some sections for a Weed Plow and Cultivator equippen with a higher wheel than anything we have previously offered, we designed our No. 19 "Iron Age" Wheel Plow and Cultivator. In doing so it will be noticed we have kept in mind those excellent features which have made our whole line of "Iron Age" Garden Implements so popular, viz., lightness combined with strength.



Fig. 208  
Cultivator  
Attachment Price  
\$1.25.

Diamond Five-Tooth Garden Cultivator.—Plow, hoe and weeder combined. The most complete hand tool made; and the only single wheel hand cultivator having five teeth. Simple, strong and very light in weight. Strawberry growers pronounce this the most satisfactory Cultivator for that work. Price, complete with all attachments, \$5.00.



Single Wheel Diamond Cultivator

### STANDARD GARDEN TOOLS

These tools offer some advantages not found in the others we have. They are light and durable. We have on hand samples and if you are interested we ask you to call and inspect them.

Consult the index for what you want.

Should you want anything pertaining to the ranch, orchard or garden, consult us.

# POULTRY SUPPLIES

INCLUDING THE CELEBRATED

## The World Famous "Essex Model" Incubators

AMERICA'S LARGEST LINE OF INCUBATORS  
"STANDARD," "MIDDLE-PRICE" AND "NEW HOMESTEAD"  
THE "INCUBATORS OF QUALITY"

(Three Styles—Ten Sizes)



We Claim for our customers this great advantage: That by using Essex-Model Incubators and Brooders poultry raising becomes easier, and more profitable—and successful in the highest degree. They are Incubators of Quality.

Mr. Robert H. Essex, President of that Company, has been known to poultry-keepers for the past twenty years and more. His intimate acquaintance with all branches of poultry farming and with the science of Artificial Incubation and Brooding assures our customers that they will continue to be furnished with the most Down-to-date Hatchers and Brooders, designed to hatch and brood **Strong, healthy chicks** as nearly in Nature's way as possible.

### THE ESSEX-MODEL "STANDARD" The Only Hardwood Incubator

Our "Standard" machines are known as the World's Best Hatchers" in addition to being the only incubators built of hardwood (high-grade chestnut) they possess double walls and tops, thoroughly insulated and packed; doors of double glass; metal heaters with heavy asbestos jacket; New 1912 self-adjusting lamp supports; and are equipped with the Essex-Corrugated Thermostat (Patented), the most sensitive and quickest acting Heat Regulator made. In addition to their superiority they hold more eggs than any other high-grade machine at the price. **They are the highest-grade Insulators manufactured anywhere—at the price.** They combine in the highest degree **Strength, Durability, Finish and Hatchability.** (If you would like more information please write for our Big Annual Catalogue "S.")



### THE FAMOUS "STANDARD" ESSEX-MODEL INCUBATOR Made in Six Sizes. For Prices and Egg Capacity See Page 141

Complete with Lamp, Thermometer and Egg Tester. No extras for you to buy. Case made wholly of chestnut (the only Hardwood Incubator made); Latest Self-Adjusting Lamp Support, and Essex-Corrugated Thermostat (Patented).

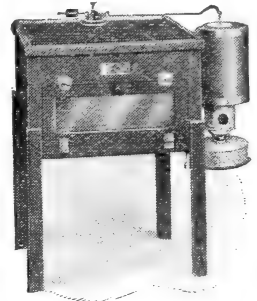
## "ESSEX MODEL" INCUBATORS—Continued

### THE ESSEX-MODEL "MIDDLE-PRICE"

#### Mission Finish—Latest Style Made

This new 1912 Style Mission Finish "Middle-Price" Incubator is without doubt the greatest value in incubators that is offered this year with the single exception of our World-Famous "Standard." These "Middle-Price" machines are built specially for those earnest poultry-keepers who want nothing but a reliable Hatcher, but who prefer not to invest the amount required by the purchase of

our more highly finished "Standard" machine. They possess the latest style "Mission" finish—popular everywhere. They are low in price, high in quality, most attractive in appearance. **There is nothing like them anywhere—at any price.** They possess double insulated packed walls and top, and are equipped with heater, thermostat and lamp support similar to those used in our "Standard" machines. They are best on earth for the money, and are Guaranteed. Compare the prices with those asked for any other make of High-Grade machine holding as many eggs, and you will find that our "Middle-Price" costs less by about one-half—and it does better work. In other words, they are **Worth More, but Cost Less.** If you would like more information please write for our Big Annual Catalogue "S."



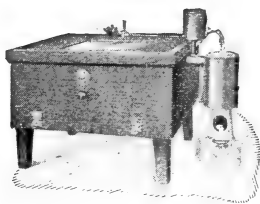
### THE POPULAR "MIDDLE-PRICE" ESSEX-MODEL INCUBATOR

Made in Three Sizes. For Prices and Egg Capacity See Page 141

Complete with Lamp, Thermometer and Egg Tester. No extras for you to buy. Finished in the latest Superior "Mission" Style. Possesses Self-Adjusting Lamp Support, and Essex-Corrugated Thermostat (Patented).

### THE ESSEX-MODEL "NEW HOMESTEAD" HOT WATER INCUBATOR. THE BEST OF LOW-PRICED MACHINES

The "New Homestead" Hatcher for the first time places before breeders an opportunity to secure a High-class Hot Water Incubator at a price that during past years has been asked for cheaply-constructed made-to-sell machines. Constructed of first-class lumber, having a splendid attractive Rosewood finish, a heating equipment composed wholly of copper, and an egg capacity equal to much



higher-priced machines. The "New Homestead" Hatcher has at once jumped into the front rank as the most popular hot-water machine ever offered. Manufactured by this Company that has always given the breeder more than value asked, made on a principle that insures its hatching quality, and backed by a guarantee of satisfaction to the buyer, poultry raisers will absolutely take no chances in any respect when he selects this wonderful little machine. It excels all other similar hot-water machines in Appearance, Durability, Quality of Heating Equipment, Method of Construction, and at the same time by virtue of the large number manufactured it has been placed upon the market at a price far lower than any other machine of its

capacity and class. To buy one, and to run it through a hatch, is proof to the Manufacturer that you will recommend it to your friends.

A new feature in this machine—one that is not possessed by any other—is the double glass in the top through which the eggs and chicks may be seen in course of incubation. The thermometer is also in full sight, and a greater number of eggs is visible than in any other machine of this size.

### THE "NEW HOMESTEAD" ESSEX-MODEL HOT WATER INCUBATOR

The Best of Low-Priced Machines. 1 Size Only

Made in One Size, 70 Eggs. Price, \$10.00

The Latest Low-Price, High Class Hot Water Hatcher. Complete with Lamp, Thermometer, Egg Tester and Essex-Corrugated Thermostat (Patented). No extras for you to buy.

**PRICES OF ESSEX-MODEL INCUBATORS**

Standard No. 0 Essex-Model, 100 Eggs.	Price.....	\$17.50
Standard No. 1 Essex-Model, 175 Eggs.	Price.....	23.00
Standard No. 2 Essex-Model, 275 Eggs.	Price.....	32.00
Standard No. 3 Essex-Model, 410 Eggs.	Price.....	40.00
Standard No. 4 Essex-Model, 324 Duck Eggs.	Price.....	46.00
Standard No. 5 Essex-Model, 42 Ostrich Eggs.	Price.....	50.00
Middle-Price No. A Essex-Model, 70 eggs.	Price.....	11.00
Middle-Price No. B Essex-Model, 120 Eggs.	Price.....	15.00
Middle-Price No. C Essex-Model, 200 Eggs.	Price.....	20.00
New Homestead Essex-Model, 70 Eggs.	Price.....	10.00



This cut shows 65 Essex-Model Incubators now in use on the Plant of the Pacific Poultry Company, Inglewood, California.

## Price List of Baby Chicks

This season we shall be in better condition to supply our customers with baby chicks than ever before. We are now connected with the Large Poultry Ranches, who can furnish us an unlimited number of the best and strongest baby chicks nicely crated and packed ready for shipment. For the last two years we have shipped a great number of baby chicks. Every bird that we send out will be strong, healthy, and in the best condition to stand a long trip. We quote you as follows:

White Rocks, \$17.00 a hundred, in lots of 100 to 1000.

White Rocks, \$15.00 a hundred, in lots of 1000 up.

Rhode Island Reds, \$15.00 a hundred in lots of 100 to 1000.

Rhode Island Reds, \$13.00 a hundred, in lots of 1000 up.

White Leghorns, \$10.00 a hundred, in lots of 100 to 1000.

White Leghorns, \$9.00 a hundred, in lots of 1000 up.

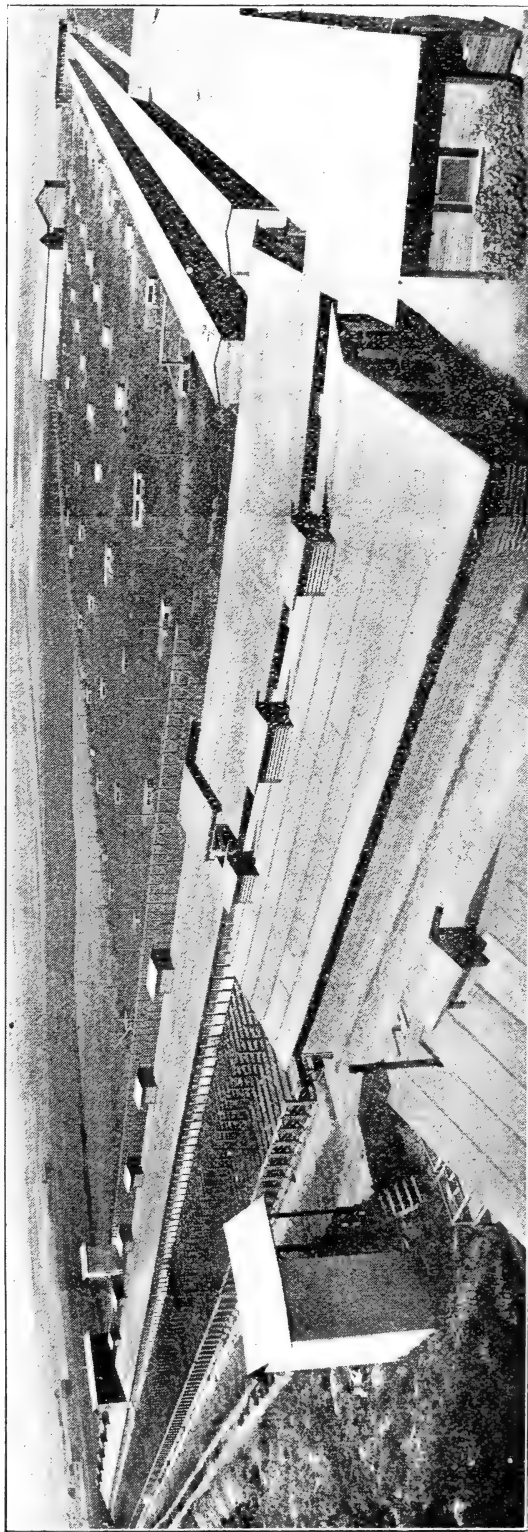
### BLUE FLAMS GAS BURNER

This burner was designed and manufactured by us to meet the demand for a blue flame burner suitable for incubator and brooder work. This burner may be turned low without popping out and may be regulated and set to meet the varying pressures of gas in different localities. It may be used with either city or natural gas.

Price .....\$1.00



Birdseye view of poultry buildings, Pacific Poultry Company, Inglewood, Cal.



M. E. GINN, President  
F. E. DUNLAP, Vice-President  
Plant at Inglewood, California  
Gentlemen:

We recommend your Incubators to some one almost every day.

We have just finished setting up another carload of Model Incubators. That ought to answer the question as to their having paid us. We would have your Incubators at any cost. We have used the "Model-Essex" for years, in preference to all other makes, for the simple reason that it is the only machine made which gives the operator complete control of the process of incubation. We take off more than 500 hatches a year,—one every day, and sometimes two. Our hatches average well above 90% in the incubating season, as well as in the spring. We are of the opinion that the fuel consumption of the Model-Essex Incubator is much less per chick hatch than any other lamp-heated machine on the market. Any person who can read the instructions can operate them. We bought 33 of your "Models" in 1909, and have just put in another 32, making a total of 65 Model Incubators in our cellar. They are as good as ever. The chicks are good "livers" and weigh 2 lbs. at 10 weeks. In appearance your Incubator has them all beaten. I think I could pick them out from other machines by their finish, with my eyes shut.

Your Essex Corrugated Thermostat works so well that the regulator is not readjusted from one year to the other. We use Acetylene gas for fuel.

We are sending you by today's mail photographs of our plant; one showing the first shipment of machines which were received from you a year ago; the other shows the room where the last carload of machines is installed.

Yours truly  
D. H. HAMMONS, Supt.

#### USES 65 MODEL INCUBATORS

### Pacific Poultry Company, Inc.

C. E. CURRIER, Secretary and Treasurer  
D. H. HAMMONS, Supt.  
417 Chamber of Commerce Building  
Los Angeles, Cal., Aug. 23, 1911.

## "Essex-Model" Superior Brooders

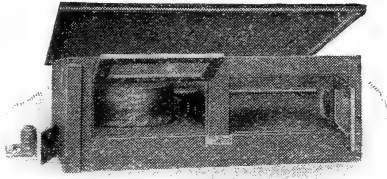
**A Line of Brooders Unequalled for Their Combination of Light, Heat, Ventilation and Floor Space. The Brooders that Raise Most Strong, Healthy Chicks**  
(Seven Styles and Sizes)

Essex-Model Brooders are known wherever poultry is raised by reason of their splendid combination of Light, Heat, Ventilation and Floor Space, so designed as to afford young chicks natural conditions without natural dangers; ventilation without draughts; heat without oil fumes; light sufficient for their needs; but not so much as to allow a great variation in temperature between night and day; **and an amount of floor space that is not equalled at the prices in any other High-Grade Brooder.** They Mother the Chicks Better Than a Hen, because they possess the advantages without the dangers and discomforts of natural brooding.

Like all other Essex-Model Goods their construction is Superior. Construction of the roof alone tells of their high quality. If we except the "New Homestead" they all have three thicknesses, including enamelled iron covering, the Model C Brooder having five thicknesses over the Hover apartment. In addition to this superior construction ample floor space is provided without the possibility of crowding into corners; and this means comfort, quick growth, and no loss of life by sweating such as is the case in poorly designed brooders. These Brooders are all built on the Essex-Model principle of—"You should see every chick every day. Know their condition, and be successful." In the Essex-Model Brooders (as in no others) the chicks can be readily seen by simply lifting the Hover without having to unscrew or remove any of the parts. Take a look under the Hover every day. That's the way to raise chicks.

### ESSEX-MODEL A AND B OUTDOOR BROODERS

Essex-Models A and B Outdoor Colony Brooders and Roost Coops are similar in appearance and construction, each having two windows as illustrated herewith; each possessing circular hovers, the difference in the two Brooders being as follows:



**Model A Brooder (Price \$12.50).** is a Combination Indoor and Outdoor Brooder. It contains two apartments (Hover and exercise room, separated by the Hover cloth). It is  $47\frac{1}{2} \times 28\frac{3}{4}$  inches in size. It contains a supplementary roof cover or diaphragm to fit it for use as an indoor Brooder; also affording automatic ventilation—the latest improvement in brooders; possessed by no other make. Capacity 75 to 100 Chicks.

**Model B Brooder (Price \$15.00)**—Contains three apartments (two of them similar to the Model A, and the third an additional exercising apartment separated by wooden partition). It is  $58\frac{3}{4} \times 34\frac{1}{2}$  inches in size. It possesses a wire screen behind the exercising apartment window, so that the window may be opened without fear of the chicks escaping. The wooden partition referred to above is provided with a full-width doorway or chick exit, protected from drafts by a patent cloth curtain. Capacity 100 to 125 chicks.

Both these Brooders possess our triple roof, including enamelled iron, and are practically indestructible.

Kindly figure the size of floor space of all these Brooders in comparison with any other High-class Brooder, and see how much more value we offer.

### ESSEX-MODEL A AND MODEL B OUTDOOR COLONY BROODERS AND ROOST COOPS

Models A and B Brooders are similar in appearance and construction alike except as stated in description herewith, the "B" being larger than the "A," and possessing partition.

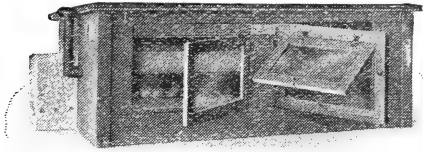
Price of Model A Brooder, capacity 75 to 100 Chicks.....\$12.50  
Price of Model B Brooder, capacity 100 to 125 Chicks..... 15.00

### ESSEX-MODEL COLONY BROODER STYLE C

This is without doubt the best Brooder on the market, and the most popular. It needs to be seen to be fully appreciated. This was the original "Colony" Brooder of America; and our 1912 improvements place it further in the lead than ever. The double-hinged combination ventilating door and window, original with our Colony

## "ESSEX MODEL" SUPERIOR BROODERS—Continued

Brooder, is most convenient and useful. (This plan is now imitated in other makes.) The window opening is covered with fine rat-proof wire on a removable frame. The roof is of matched boards covered with enamelled rolled steel, and doubly insulated with corrugated carpet felt. It is practically imperishable, and is not affected by the action of the sun or rain. (Examine other makes of Brooders that have been exposed to the weather, and compare the difference).



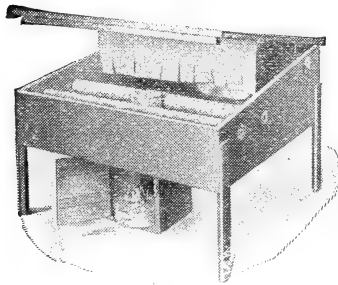
The Essex-Model C Brooder has three apartments; the hover and nursery, separated by the hover curtain; and the exercise room separated by a removable partition having a door and curtain full width of Brooder, so that the chicks never lose their way back to the hover, nor crowd and get chilled in the exercise room, as they may where the exit is only a small doorway. The nursery apartment is double-walled and insulated, making a triple walled Brooder with five thicknesses of roof. The hover is 15 inches wide by 32½ inches long, giving more hover space than any other; and the chicks cannot crowd. They hover the full length of the apartment. It is worth more but costs less. See your chicks often and be successful. This Brooder makes it easy. No other make of brooder, at any price, compares with the Essex-Model C Outdoor Brooder and Colony Coop. Capacity 150 chicks. Price \$18.50.

### ESSEX-MODEL C OUTDOOR COLONY BROODER AND ROOST COOP

The best Brooder made, regardless of price. Size, 72x34½ inches.  
Price of Essex-Model C Brooder, capacity 150 Chicks.....\$18.50

### ESSEX-MODEL NEW HOMESTEAD BROODER

The Essex-Model New Homestead Brooder is a low-priced Brooder, substantially constructed, and is considerably in advance of the kind usually sold at the price we ask for it. It can be used either indoors or outdoors. It is built of ¾ dressed, tongued and grooved lumber throughout, including the roof. It is divided into two apartments by the hover cloth. It has ample floor space and light. Its heating equipment is such that it gives satisfaction in all weathers. Its size is 32¼x21 inches, having chick capacity nearly equal to that of some machines that are sold for double the money. It is fully equipped with our superior reinforced heavy galvanized iron lamp with chimney, and a thermometer at no extra cost. It is built on the Essex-Model plan that makes a success of poultry raising, viz.: "You should see every chick every day. Know their condition, and be successful." This is easy with the "New Homestead" Brooder. Capacity 50 chicks.



Essex-Model New Homestead Brooder

Constructed of ¾ tongued and grooved lumber. Fully equipped with lamp, chimney, and thermometer. Capacity 50 Chicks. Price \$7.50.

### ESSEX-MODEL PORTABLE HOVER

Essex-Model 1912 Portable Hover is similar to that used in our World-Famous Colony C Brooder. It possesses an advanced principle of heating, and fresh warm air ventilation. It is based on the Essex-Model principle: "You should see every chick every day. Know their condition, and be successful." It is easier to get at the chicks under the Essex-Model Portable Hover than it is to get at them under a hen or under any other make of hover. One great advantage is that it may be readily raised for cleaning.

This Portable Hover is for use in or out of a brooder—any brooder. It is also intended for use on a barn floor, in a colony house, piano box, brooding house, or any other building where chicks are to be raised. For equipping brooding houses

**"ESSEX MODEL" SUPERIOR BROODERS—Continued**

it is highly recommended on account of its labor-saving convenient construction and large capacity. Twenty of these Hovers in a 100 foot brooding house will raise more strong, healthy chicks, and with less labor than any other make. The hottest part of this Hover is the farthest end away from the lamp box. Therefore the chicks do not crowd—they receive warmth the full length of the hover which is a great advantage, resulting in strong, healthy, vigorous chicks. The pure, fresh outside air is taken directly through a separate fresh-air chamber, and thoroughly warmed before it passes under the Hover to the chicks. Its capacity is 150 Chicks

The above cut illustrates the separate parts of the Essex-Model Portable Hover including galvanized iron lamp box with lamp and chimney, heat pipes and drum connected with the lamp box. Wooden hover with patent cloth curtain and brooder thermometer—all complete. Price, \$8.00.

**ESSEX-MODEL CHICK-COMFORT HOVER**

This is an entirely new style of Hover invented by us for 1912. It is constructed on the most effective principle—one that furnishes the chicks more heat in a shorter period than can be obtained in any other Brooder or Hover. It is the most simple to operate of any Hover on the market. It is made wholly of metal, and is therefore lice-proof and fire-proof. Can be used advantageously anywhere at any time, and is portable—removable. It gives more Hover space by 20 per cent, than the majority of Chick Hovers, and will accommodate proportionately more chicks. The warm air deflects down on the chicks' backs more satisfactorily than in any other Hover, and by the advanced method of construction on a cushion of warm fresh air is retained above the chicks at all times. It has perfect ventilation, which works automatically. It possesses the plan of construction that all Essex-Model Brooders and Hovers possess, enabling you to carry out the Essex-Model plan of chick raising, viz.: "You should see every chick everyday, know their condition, and be successful." Capacity of Chick-Comfort Hover, 150 to 200 Chicks.

**Essex-Model Chick-Comfort Hover**

Constructed entirely of galvanized iron, possessing lamp, chimney, metal and wire chick guard, and cloth curtain. Can be used also as Fireless Brooder. Capacity 150 to 200 Chicks. Price \$7.50.

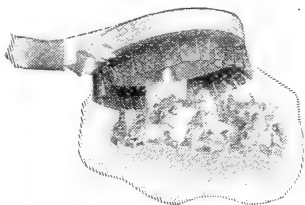
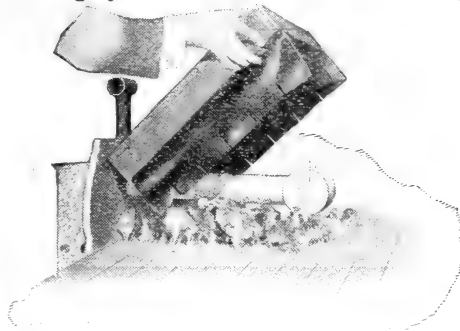
**SECTIONAL AND DUPLEX BROODER HEATERS**

The Sectional and Duplex Brooder Heaters here-with illustrated may be used either with coal oil lamps or gasoline burners. The gasoline burners produce more than twice the heat of a lamp, hence brooders in which these heaters are used may be heated in twice the length given for heating with coal oil.

The price of gasoline tank, connecting pipe and burner, is to be found on this page, under the illustration of the Mammoth Brooder Heater.

Petaluma Sectional Brooder Heater.....	\$6.00
Water Tank and Connecting Pipe.....	.50
Lamp fount, burner and chimney.....	1.50
Petaluma Duplex Brooder Heater.....	8.00
Water Tank and Connecting Pipe.....	1.00
Lamu fount, burner and chimney.....	1.50

For more extended brooding, note the efficiency of our Petaluma Mammoth Brooder Heater.



## Petaluma Incubators and Brooders

The New Models of "PETALUMA" INCUBATORS shown in this catalog are the culmination of over thirty years experience in Incubator building after studying and knowing the conditions necessary to successful incubation in all parts of the world. These new Models embody every good feature in artificial incubation, characteristic of "PETALUMA" INCUBATORS which has made them the "Standard of the World." A great

many of the most valuable ideas that have ever been incorporated in Incubator construction are to be found in "PETALUMA" INCUBATORS, among which are the following:

The AIR FILTER through which the fresh air is admitted to the heater, the entrance to which is some distance away from the lamp, therefore there is no possibility of any odors of the lamp entering the egg chamber.

The HEATER is built in such a manner that the copper portion with which the heat of the lamp comes in contact has been pronounced by mechanical experts and engineers on heating and ventilation a perfect piece of constructive work in metal. The costly tools for making this, which are the invention of the Petaluma Incubator Co., are the only tools of this kind in existence.

The EGG TRAYS are of Galvanized Steel frames with corrugated wire to hold the eggs in rows. The tray is strongly reinforced and is the best egg tray ever made or used in an Incubator.

The NURSERY BASKETS are of Galvanized Wire, affording a free circulation of air throughout the Nursery. When the Egg Trays and Nursery Baskets are removed, the entire interior of the egg chamber is easily and readily brushed out after a hatch.

The THERMOMETER RETAINER is inserted in a well in the top of the Egg Chamber affording the most convenient and most satisfactory method of examining the temperature.

The circulation of air through the Air Filter, Egg Chamber, Air Strainer, Sub-way or space between the floors, Air Channels in the ends of Incubator, and the Adjustable Ventilation Caps, is thoroughly under the control of the operator as is also the moisture, in fact there are so many good features in these New Models that any person can readily comprehend the exceptional value to be found in "PETALUMA INCUBATORS.

### PRICE LIST OF PETALUMA INCUBATORS

Model 93—504 egg; price .....	\$50.00
Model 92—378 egg; price .....	40.00
Model 91—252 egg; price .....	30.00
Model 90—126 egg; price .....	22.00
Model 89—63 egg; price .....	12.50

All Incubators operated with valve on top of heater are listed as half size. Have same capacity and same price as listed above.

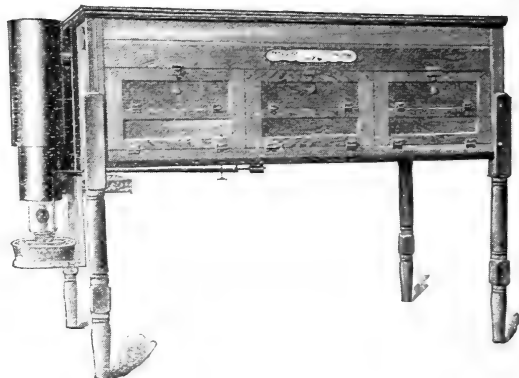
### PETALUMA OUTDOOR BROODERS

(Standard of the World)

Model 24—Capacity, 75 to 100 Chicks; price.....	\$11.00
Model 26—Capacity, 125 to 150 Chicks; price.....	16.00

### PETALUMA OUTDOOR FIRELESS BROODERS

Model 5—Capacity, 75 to 100 chicks, Outdoor and Indoor.....	\$ 9.50
Model 6—Capacity, 125 to 150 chicks, Outdoor and Indoor.....	12.50



Model 92.—378 Eggs. Price, \$40.00.

## PETALUMA INCUBATORS AND BROODERS—Continued

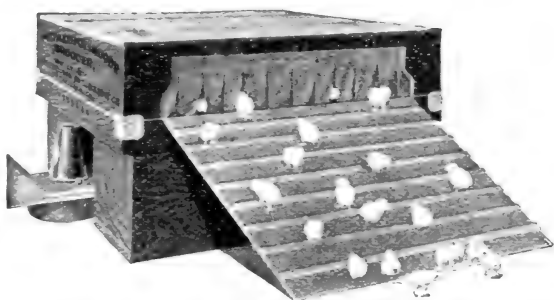
### PETALUMA INDOOR BROODERS

Model 23. Capacity, 75 to 100 Chicks; price, \$ 6.00

Model 25. Capacity, 125 to 150 Chicks; price. 7.50

Model 28. Capacity, 225 to 250 Chicks; price. 13.50

The cut illustrates the three sizes of PETALUMA INDOOR BROODERS of the very latest design, embodying those principles that have made them so efficient (Standard of the World) with added features of ease, convenience, simplicity and economy.



### PETALUMA INDOOR FIRELESS BROODERS

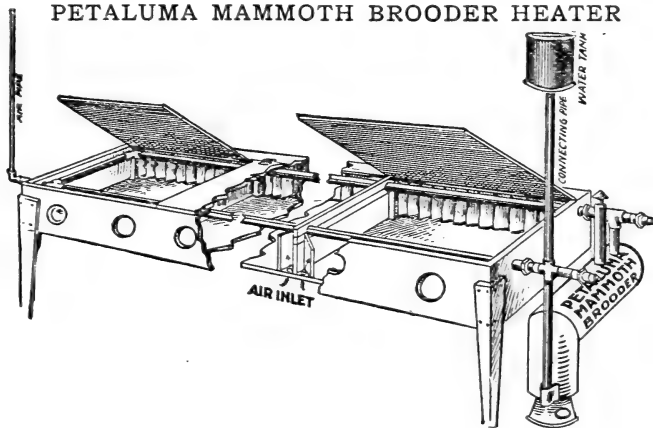
The Petaluma Fireless Brooders are the original fireless brooders and have many points of excellence. Observe that the Heat Accumulator is entirely independent of the cover, and can be removed at any time for cleansing purposes. Fresh air is constantly admitted, yet no draughts come in contact with the chicks. They raise the chicks.

As the chicks grow older, the Heat Accumulator may be removed without in any way disturbing the ventilation.

Model 3—Capacity, 75 to 100 chicks; Indoor only.....\$6.00

Model 4—Capacity 150 to 200 chicks; Indoor only..... 9.00

### PETALUMA MAMMOTH BROODER HEATER



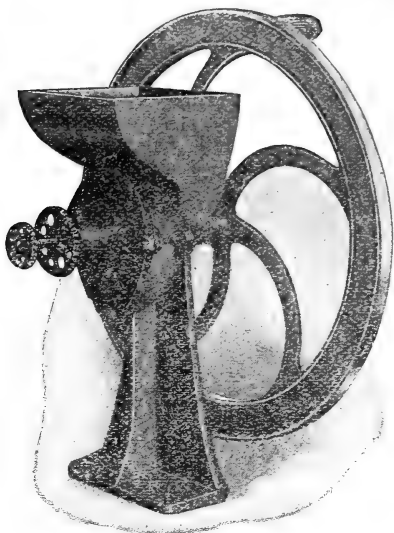
Showing Construction of Mammoth Brooder Heater

This Brooder Heater is made of copper with a galvanized iron jacket. This is the best, cheapest, and most economical brooder heater, for large capacity, ever put on the market, and is rapidly being put into the large poultry plants. All Mammoth Brooder Heaters are, unless otherwise specified, made with three-fourths inch fittings. We fit for one inch, if required, but it must be so specified.

Petaluma Mammoth Brooder Heater.....	\$10.00
Water tank and connecting pipe..	1.00
Gasoline tank .....	1.15
Gasoline connecting pipe .....	.60
Complete Mammoth Brooder Heater, with unions, water tank and connecting pipe, gasoline tank, connecting pipe, and Burner No. 1.....	14.50
Complete Mammoth Brooder Heater, with unions, water tank and connecting pipe, gasoline tank, connecting pipe, and Burner No. 3.....	16.50
Gasoline Burner No. 1.....	1.75
Gasoline Burner No. 2.....	1.75
Gasoline Burner No. 3.....	3.75

# Poultry Implements and Tools

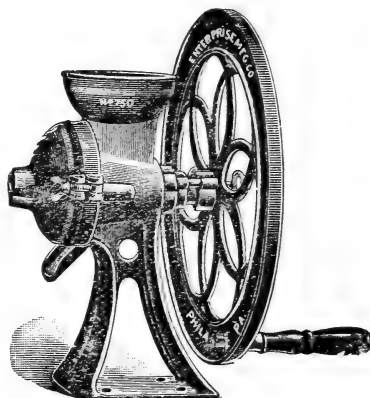
SHOVER NO. 32 HAND GRINDING MILL



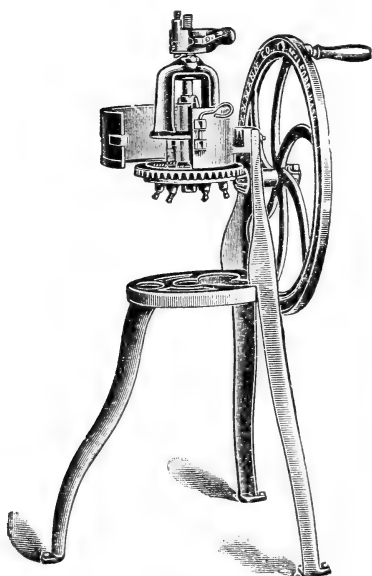
In this mill are embodied all the good features of other hand grinding mills to which have been added universal burrs or grinding plates that are adjustable for grinding coarse or fine. This machine grinds oats, barley, rye, corn, peas, dry bone, shells, etc., for feeding to poultry. It is a well designed machine, is strong and well made throughout and of excellent finish; has a 16-inch fly wheel and is light running.

The capacity of this mill is not equalled by any other of the same size. Shipping weight, 40 lbs. Capacity, 1 or 2 bushels per hour. Price, \$5.50.

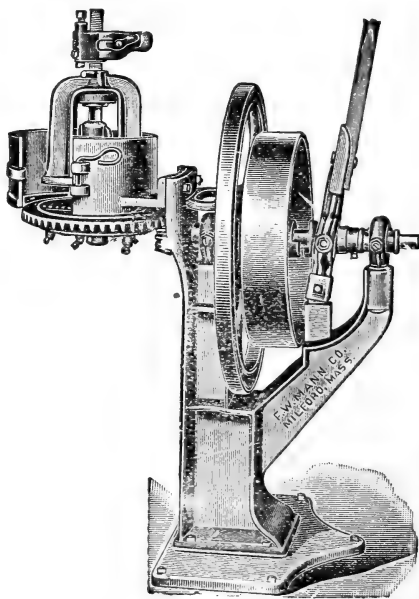
ENTERPRISE  
BONE AND GRAIN MILL



One of the essential tools for poultrymen. Can be used for cracking grain, bone, shell, or grit. Weight, crated, 75 lbs. Price, \$9.50.



Model No. 7



Model No. 12

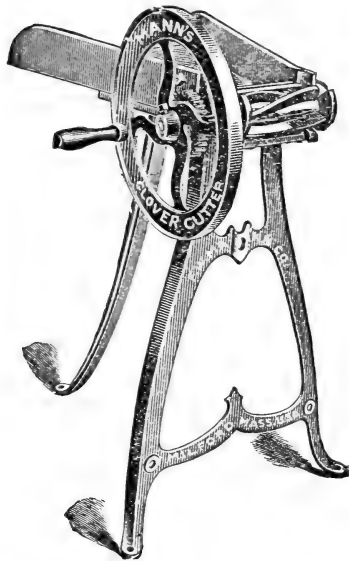
**MANN'S MODEL BONE CUTTER NO. 7**

Weight, 107 lbs. Cylinder,  $7\frac{1}{4}$  inches in diameter,  $5\frac{1}{4}$  inches deep. Capacity one-half to one lb. per minute. Made in one size only. Price \$15.00.

**Model No. 12.**—Capacity 120 to 150 lbs. per hour. Weight 260 lbs. Diameter of pulley, 16 inches, 4-inch face; speed of pulley, 300 to 350 revolutions per minute; diameter of cylinder, 9 inches. Horsepower required, 1 to 2. Price \$35.00.

**MANN'S NEW MODEL BONE CUTTER NO. 11**

Intended for large flocks when the machine must be run by hand a portion of the time. It is really a semi-power and semi-hand or combination machine, and as such has its place. No. 11 is exactly the same as No. 9 with the power parts added. It has all the late improvements, special feed, anti-clog, open cylinder, tight and loose pulleys, etc. Horse power required, 1 to  $1\frac{1}{2}$ . Weight, 215 lbs. Diameter of pulley, 15 inches,  $3\frac{1}{2}$ -inch face; speed of pulley, 300 to 350 revolutions per minute; cylinder same size as No. 6. Capacity, 100 lbs. and upwards per hour. No. 11, \$28.50.

**"NEW MODEL" CLOVER CUTTER****Mann's Clover Cutter**

Made entirely of iron and steel. Cannot warp or shrink.

It is strongly built. The workmanship is first class in every particular, and it will last for years without repairs. It is not a toy or a rattletrap, but a thoroughly practical machine, offering the greatest value for the least money. Do not buy a clover cutter until you have seen the Mann's. Made either with or without the stand.

**Prices**

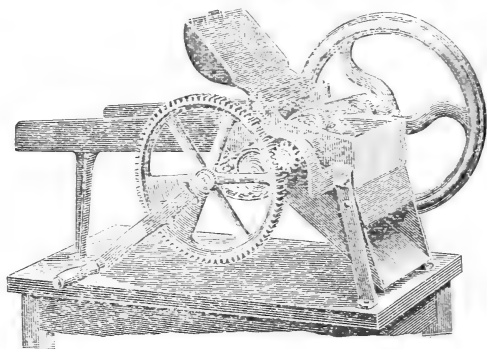
With stand ..... \$12.00

Without stand ..... 10.00

Weight, crated, 90 lbs.

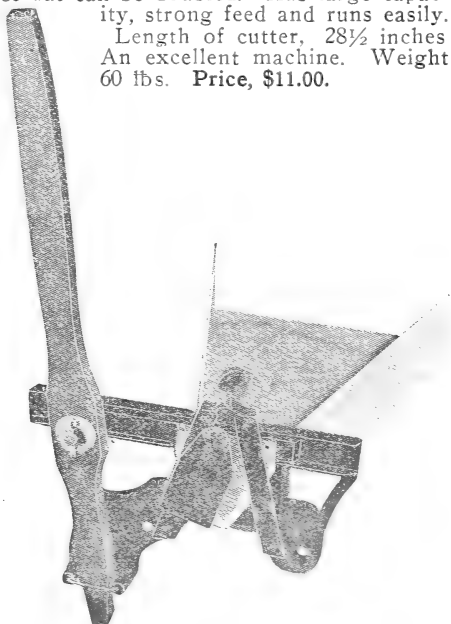
**Perfection Alfalfa Cutter.**—This machine will cut hay, grass, clover, cabbage leaves, or any kind of green feed for fowls. Size 16 inches long by 11 inches wide. It will cut enough feed in one minute for three dozen fowls, and by means of the adjustable gauge can be regulated to cut from  $\frac{1}{4}$  inch to any desired length. Weight, 7 pounds.

Price, \$3.00.

**"New Model" Clover Cutter**

Will cut either green or dry clover, alfalfa, straw, vegetable tops, etc., in  $\frac{1}{8}$  inch lengths, suitable for chicks or grown fowls. The cutter bar is adjustable, and easily accessible for sharpening; the four, 7-inch spiral steel knives can readily be removed for sharpening, and by removing every other knife the length of cut can be doubled. Has large capacity, strong feed and runs easily.

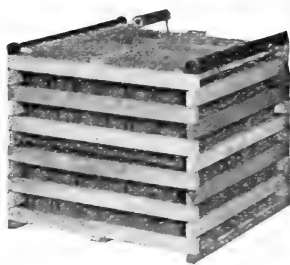
Length of cutter,  $28\frac{1}{2}$  inches. An excellent machine. Weight 60 lbs. Price, \$11.00.

**Perfection Alfalfa Cutter**

## Poultry Supplies

### Humpty Dumpty Egg Carrier

One of the handiest egg carriers on the market. This carrier will hold twelve (12) dozen eggs. Can be folded flat for shipment and is made of **strong** but **light wooden slats** fastened with strong steel wires. Very handy and something every poultry-man should have. **Price, 75c each. Weight 6 lbs.**



### Pilling French Poultry Killing Knife



Every poultry raiser should have one of our Killing Knives. They are made of a finely tempered instrument steel, with nicked handle; will last a lifetime. Sent postpaid on receipt of **50 cents**. Don't wait! Send for one now! Sent securely packed by mail on receipt of price.

### Pilling Angular Killing Knife



By simply turning the wrist the jugular vein and spinal cord are cut thereby bleeding the fowl, allowing the feathers to be removed without using water. **50 cents net, postpaid.**

**Anderson Egg Box.**—As a carrier it gives absolute security to the contents, has the same protecting qualities against heat or cold as the Eyre and possesses great strength. For shipment it is folded flat. A label is furnished which answers for address. **Price, 15-egg box, 15c; \$1.20 per dozen.**

**Ideal Paper Egg Box.**—Just the thing for family trade. These boxes are intended for use in delivering eggs to private families. They are exceedingly neat in appearance and go a great way toward making satisfied customers. **Price, 1 doz. boxes, 20c; per 100, \$1.25; per 1000, \$9.00.**



### A. & M. Lice Killing Nest Eggs

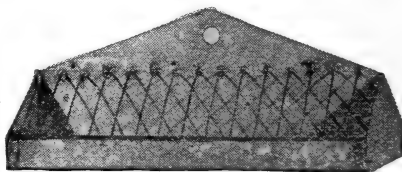
Our Lice-killing Nest Eggs are almost an exact imitation of the real chicken eggs, and yet contain a powerful disinfectant which is guaranteed to expel lice and vermin. Much of the disease among poultry is caused by lice. Save your money by using our Lice-Killing Nest Egg. Put up in boxes of one dozen each, at 45c per dozen, or retailed at 5c each. **50c postpaid.**

### China Nest Eggs

We handle only the best grade of glass eggs, strong and durable. **2 for 5c; 25c dozen.**

### Double Chick Feeders

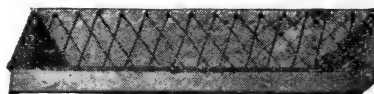
This Feeder is a money saver. When feed is thrown on the ground for little chicks you waste the feed. The little ones cannot find it. Put into this feeder it is clean and always ready. **Price 50c.**



Double Chick Feeder

### Single Chick Feeders

Single Chick Feeder for same purpose as Double. **Price 25c each.**

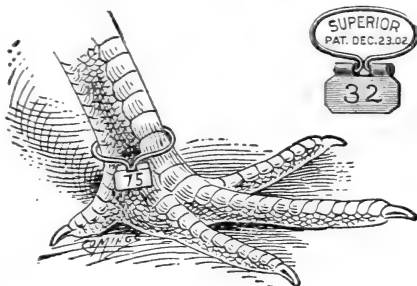


Single Chick Feeder

## POULTRY SUPPLIES—Continued

## Superior Leg Bands

This Band is easy to put on or remove, no tools required. The rings are made of spring brass and so bent that the tag acts as a clasp holding them securely in place. Made in three sizes. In ordering always mention the variety of fowl wanted for. Price, 12 for 15c; 25 for 30c; 50 for 50c; 100 for 80c, postpaid.



## Smith Sealed Band

Smith Sealed Band were put on the market for a purpose. That purpose was to prevent dishonesty in the handling of scored birds and to protect the purchaser of same. (Price, 12 for 20c) (25 for 40c) (100 for \$1.50.)

## Flat Alluminum Leg Bands



These bands fit any variety of fowls. Can be adjusted to fit any size leg. Three-inch size for all ordinary breeds, 4 inch for extra large breeds, including Turkeys and

Geese. (Price, 12 for 15c) (25 for 30c) (50 for 50c) (100 for 80c).

**Chick Brander.**—Having so many calls for chick bands we now have secured an aluminum open band for half grown birds. They are nicely numbered and made so they can be easily adjusted and great convenience to breeders. Price—(10c doz.) (\$1.00 per 100).

**Pigeon Bands, Alluminum.** Price, (per doz. 15c) (100 \$1.00).

**French Killing Knives.** Price, (each 35c) (Postpaid 50c).

**Egg Testers, For Testing Eggs.** Price, each 35c.

**Egg Boxes, For Shipping, 15 Egg Size.** Price, (per doz. \$1.20) (each 15c).

**Egg Boxes For Home Use.** Price, per doz. 20c.

**Nest Eggs, China.** Price, per doz. 25c.

**Nest Eggs, Medicated.** Price, (per doz. 45c (each 5c).

**Powder Guns, Jumbo.** Price each 25c.

**Powder Guns, Florodora.** Price, each 30c.

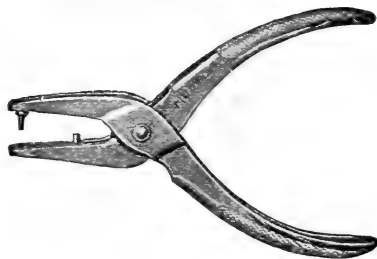
**Powder Guns, Brass.** Price, each 10c.

**Sulphur Candles.** Price, each 10c.

**Anti Roost Hanger.** Price, (each 10c) (per doz. \$1.00.)

## THE ESSEX-MODEL TOE MARKER

To toe mark a chick, a good cutting punch is needed; one making a clean hole. Such is the Model Toe Marker, a high grade tool in every particular. It has a separate stop between the jaws to prevent bruising the web of the foot



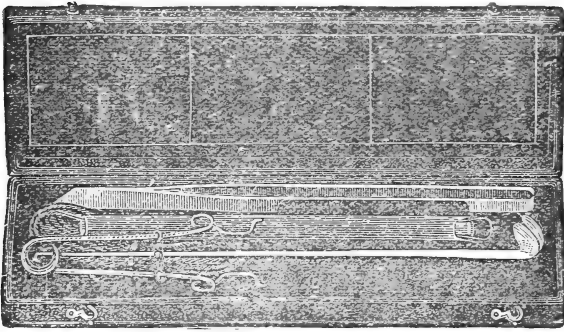
It is well finished, nickel plated, and makes a handsome tool—a perfect marker well worth twice the price asked. Price, each 40c, postpaid.

## POULTRY PUNCH

**Easy Marker.**—This punch is so simple in construction that it will appeal to all as a practical tool. It is similar to an ordinary leather punch. It makes a clean cut and does not mutilate the web, as do many cheaper punches. Price, 25c each.



## POULTRY SUPPLIES—Continued



Caponizing Instruments

**Patent Farmer's Caponizing Set.**—The art of caponizing is quite simple, and the operation can be performed in five minutes. The best time to caponize cockerels is from six weeks to four months of age. The benefits outweigh any objection on the grounds of cruelty. People who adopt the business and get established have a grand field in which to make money. The advantages of capons are much larger and sell for more than ordinary fowls. Price, \$3.00 per set.

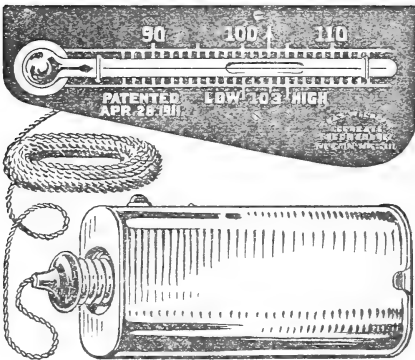


The Pilling  
Special Caponizing Set  
Price, complete in velvet-lined oak case, prepaid, \$4.00.



## Incubator and Brooder Thermometers

### "Wilder" Electric Lighted Thermometer for Incubators



In placing this instrument on the market we are filling a long felt want and helping all who are operating incubating machines to more satisfactory results. It has been a hardship to read the thermometer in an incubator with any degree of certainty. A light from the outside is reflected by either the glass door or by the thermometer tube itself, and often times the instrument taken out before the mercury column is seen.

The "Wilder" Illuminating Device (patented) does away with this difficulty. By simply pressing a button the glass tube is illuminated from behind and the mercury column shows distinctly at its exact position on the scale.

1st. The outfit complete consists of a guaranteed "Wilder" Incubator Thermometer, with lamp in a socket attached to the back of the Thermometer and connected with cord to a battery in a flash light metal case. The purchaser places the thermometer in the incubator, leaving the battery case outside, and when a reading is desired presses the push-button on the side of the battery case.

In making up this outfit we are using the best lamps (2½ volts) and batteries obtainable. All batteries are guaranteed for four months on the shelf or for one and one-half hours steady light, or for three hours intermittent light. Both batteries and lamps are easily replaced. All lamps require a two cell battery—a strong one will ruin the lamp—and one cell will not give sufficient light.

### PRICE LIST

#### Complete Outfit For Use With One Incubator

One "Wilder" guarantee Thermometer with 2½ volt Mazda lamp mounted on back; lamp connected with cord to two-cell battery, which is enclosed in a nickel-plated case with push button .....\$2.50

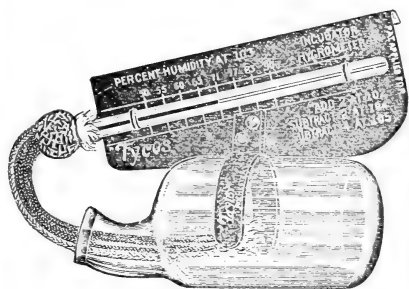
## INCUBATOR AND BROODER THERMOMETERS---Continued

## Sundry Parts if Desired Separately

Thermometer with lamp attached and connecting wire.....	\$1.75
Lamp only .....	.50
Independent push button connection .....	.20
Separable socket for using one battery with several machines.....	.60
Two-cell battery only .....	.30
Case with push button for battery .....	.60
Insulated cord, per foot .....	.02

## Tycos Incubator Hygrometer

## MOISTURE REQUIREMENTS



The amount of moisture required, during the period of incubation, varies from 65% to 53%. For the convenience of our friends and patrons we give the following table of the percentage of moisture best adapted to each week of incubation:

First week there should be about 65% of moisture present;

Second week there should be about 60% of moisture present;

Third week there should be about 55% of moisture present;

At the time of hatching, about 50% of moisture.

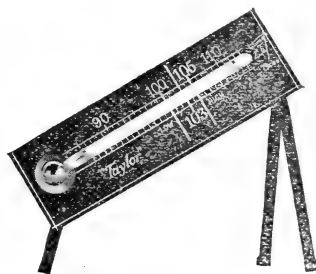
The amount of moisture may be regulated by adding or taking away shallow pans of water, sprinkling the eggs, wet sand trays or other devices, and by increasing or decreasing ventilation.

It must constantly be borne in mind that the outside conditions of the atmosphere have much to do with the humidity, or moisture, present in the incubator. If the relative humidity of the room in which the incubator is placed, is under 50% the operator will have to supply a great amount of water to register 50% in the incubator, as he is supplying moisture not only for the incubator but for the room as well.

For this reason a successful hatch cannot be made in a hot, dry room, and a cellar is recommended because of the excessive moisture prevailing. If there is a heater present in the cellar the incubator should be placed some distance from it. Toward the latter part of the incubation period there should not be so much moisture present as in the first stages as shown by table preceding. Price—\$1.50 each.



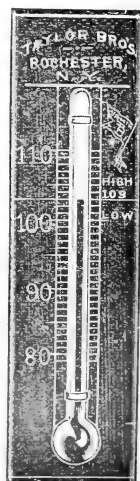
No. 2.—75c



No. 1.—75c



No. 3.—65c



Brooder Thermometer, 35c

Many persons using Incubators and Brooders fail to understand the importance of having a thoroughly tested and reliable thermometer. Many a fine hatch is lost, and many a fine brood of chicks killed by using a poor thermometer. Use great care in purchasing a perfect thermometer. Our thermometers are thoroughly tested and accurate.

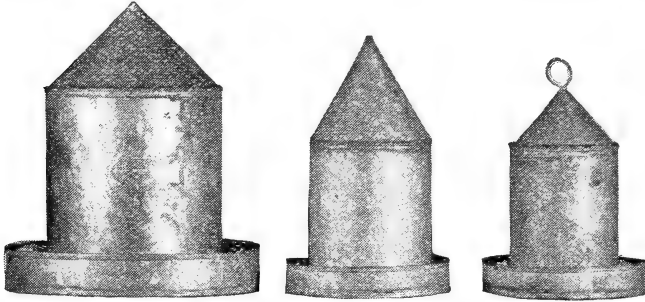
### Sanitary Fountains (Stone)

These founts are made of clay glazed inside and out. Price, (1 qt. 25c)  $\frac{1}{2}$  gal. 35c) (gal. 45c).

We also have a clay Fount made like an olla, which keeps the water nice and cool. Same shape as the Sanitary Founts but not glazed. Price, (1 qt. 20c)  $\frac{1}{2}$  gal. 30c) (gal. 40c).



Sanitary Stone Drinking Fountains

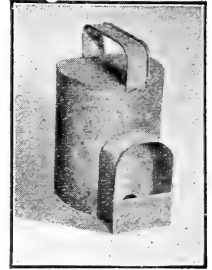


Galvanized Drinking Fountains

### GALVANIZED IRON WALL FOUNTS

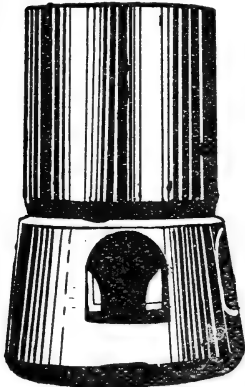
These Founts are very handy, as they may be hung up on the side walls of the poultry house so as to prevent litter getting in the water. They are made of heavy galvanized iron and possess an improvement which enables the user to clean them readily, which cannot be done with the old-fashioned wall fount. They are largely used by pigeon keepers, being especially adapted for that purpose.

Prices, (1 qt. size 30c each, \$1.70 for six) (1 gal. size 50c each, \$2.75 for six) (2 gal. size, 75c each, \$4.25 for six.)

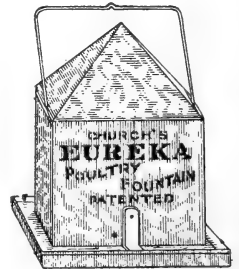


### PIGEON FOUNTAIN

This fountain is made especially for Pigeons. It is perfectly sanitary and made so the pigeon cannot get in the water. Easy to fill and keep clean. Price ( $\frac{1}{2}$  gal. 45c) (gal. 60c).



**Eureka Drinking Fountain.**—This fountain is made of galvanized iron, with pyramid top, with air space under pyramid, keeping the hot rays of the sun from top of can, leaving the water always cool. It has a bail, with which to fasten it against the house or port, suspended high enough to prevent the fowls from scratching any filth into the pan, thus keeping the water pure. It has a drinking pan hinged to back of reservoir, giving



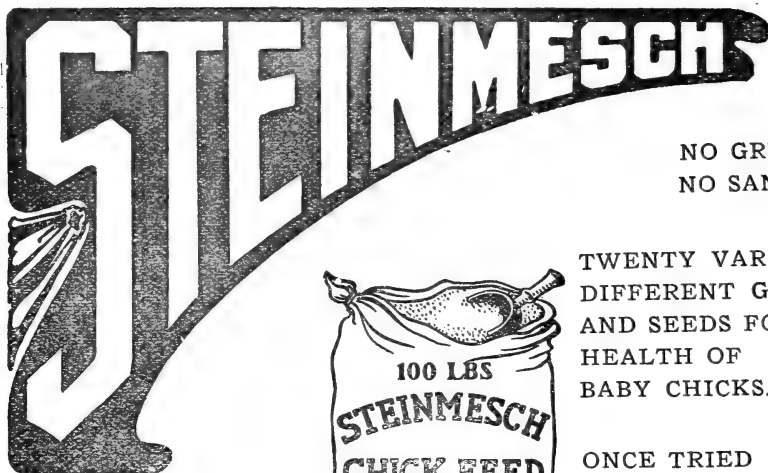
Eureka Drinking Fountain

three sides for drinking space as shown in above cut. It has an automatic catch, making it easy to fill and preventing loss of drinking pan. Always ready for use and a fountain that will give satisfaction. Price—(qt. 45c) ( $\frac{1}{2}$  gal. 60c) (gal. 75c).

### OUR ALL RIGHT POULTRY FOUNTAIN

This fountain has just lately been introduced among our poultry breeders and endorsed as the most sanitary and useful of its kind. The above cut shows the All Rite Fount with grain in it used as an automatic chick feeder or can be used for a drinking fount. It is so arranged that you can use a two-quart Mason fruit jar as a reservoir which gives larger capacity. This fount has a hanger whereby it can be hung on a post keeping it free from dirt. Due to the inexpensive price one could easily afford one for shell grain and water. This fount is made of the best





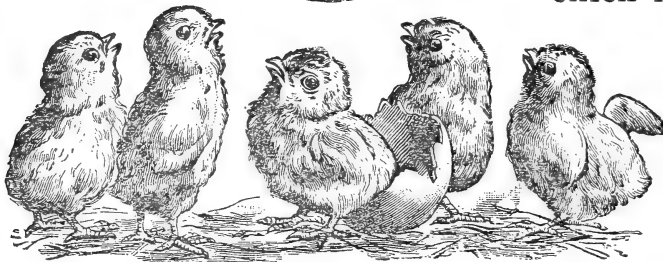
NO GRIT  
NO SAND

TWENTY VARIETIES  
DIFFERENT GRAINS  
AND SEEDS FOR THE  
HEALTH OF  
BABY CHICKS.

ONCE TRIED  
YOU WILL USE  
NO OTHER

Fed Dry and always ready  
**STEINMESCH  
CHICK FEED**

NO MIXING  
NO MASHES  
NO SICK CHICKS



It is a mistake to feed young chicks soft feed—they do not need it any more than the old hen, and cannot stand it half so well. It is not the soft feed that makes the trouble alone, but the way it is fed. In most cases it is thrown on the ground and gets dirty and filthy, and for that reason is not healthy. In a great many cases it is put on a board or a platter and kept clean, but more is loaded on the board or platter than the chicks will eat at one time; in the course of an hour it gets sour, it is indigestible, and for that reason is not healthy. In addition to all this, there is the trouble of mixing the feed.

Steinmesch Chick Feed is dry and always ready for use, requiring no mixing whatever. Price, (6 lbs. 25c) (100 lbs. \$3.25).

### MIDLAND POULTRY FOOD

THE FOOD THAT GIVES SURE RESULTS IN EGGS AND MEAT.  
ONLY BALANCED RATION ON THE MARKET

Midland No. 1.—For baby chicks. \$2.25 per sack.

Midland No. 2.—Growing chicks. \$2.25 per sack.

Midland No. 3.—Fattening chicks. \$2.25 per sack.

Midland No. 4.—Will produce more eggs and give better results than any other food. 2.00 per sack.

The accompanying illustration shows one of the best commercial poultry farms in Southern California, where the birds are being fed with Midland Food.

The special foods which we prepare are composed of the very best material obtainable and as carefully and accurately mixed as it is possible to make them. They are complete foods and will produce specific results, each for its purpose and no other. We want you to become an established customer of ours. We want your trade, be it little or much. There is only one way we can secure it and that is by sending you material that will do what we claim for it. Price, 2.00 per sack.

## A. & M. STOCK CONDITIONER

### Directions For Feeding This Stock Conditioner

In ordinary cases, a teaspoonful of this Conditioner should be given in ground feed twice daily. If you have an aggravated case, the dose should be doubled until usual vigor has been regained. Don't wait until stock are run down and out of condition, which is due to loss of appetite, overwork, etc., but feed these powders regularly as an insurance. It will pay you handsomely. Stock will retain their appetite and so keep in good working condition all the time.

For Mares and Stallions, a dose of the powder twice daily, will keep them healthy and in good spirits.

For Hogs, a tablespoonful mixed with feed morning and night will render appetite keen and so insure good fat animals.

For Cattle, the regular dose will be effective for preventive purposes, but should be increased whenever used for specific ailment.

Remember this is a concentrated tonic and not like the ordinary diluted cheap stock foods.



Having successfully used this Conditioner, recommend it to your friends.

Price, (pkgs. 25c and 50c) (pails 25 lbs. \$3.00).

Guaranteed under the Food and Drug Act, June 20 1906. Serial No. 4237.

## TONICS AND REMEDIES

Conkey's Roupe Cure.—Per box 50c and \$1.00.

Harding's Roupe Cure.—Per box 50c and \$1.00.

Church's Roupe Cure.—Per bottle 25c.

A. & M. Roupzone Roupe Cure.—Per bottle 25c and 50c.

Lambert's Death to Lice.—Per pkg. 10c, 25c, 50c, 1.00.

Lambert's Ointment.—Per box 10c and 25c.

Hess & Clarke's Instant Louse Powder.—Per pkg. 35c and 60c.

Hess & Clarke's Pan-a-cea.—Per pkg. 35c and 85c; pail \$3.50.

Creazone.—Per (quart 35c) ½ gal. 60c) (gal. \$1.00.)

Spratt's Dog Biscuit.—Per pkg. 25c.

Spratt's Cat Food.—Per pkg. 25c.

Chicken Chili, Fine.—Per lb. 15c.

Chicken Chili, Coarse.—Per lb. 15c.

## SWIFT'S BEEF SCRAPS

Our beef scraps are a fine clean preparation made from pure inspected meat. No scavenger product in Swift's Beef Scrap. One of the essentials in egg-production. Price, \$3.50 per 100 lb. sack.

## ALFALFA MEAL

Green food is absolutely necessary for poultry. No one can afford to be without it. Fed with fast feeds and beef scraps make a great egg food. Prices sent on application.



## A. & M. EGG MAKER

This Egg Maker is composed of Granulated blood (deodorized), powdered roots, herbs, salts and spices in kind and proportion as most needed and best adapted to the health productiveness of the domestic fowl. Only pure dried

should be fed only according to directions. Never feed it alone.

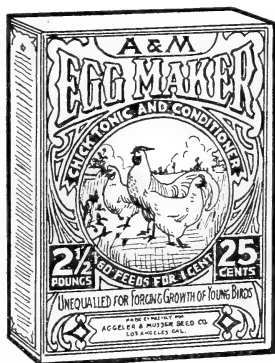
### Directions

Mix a couple of tablespoonfuls of the Egg Maker with soft mash for each 15 or 20 fowls, the morning meal being the best time, and once a day often enough the Egg Maker being very invigorating and effective in egg making when fed in this manner.

For young chicks give half the quantity and the result will be most gratifying. Under ordinary conditions the above mentioned quantities will be found sufficient, but if the birds are in poor or unhealthy state the dose may be given twice daily instead of once.

Keep gravel, oyster shell or grit and clean water before the fowls at all times.

Having secured good results, recommend the Egg Maker to your friends.



blood is used in this preparation. It is the most highly concentrated form of meat food, each pound being equal to 16 lbs. of fresh beef. It contains no bran, shell, sand or other cheap filler and is the largest value of any egg maker on the market. It supplies all meat food and other material necessary for laying and breeding stock and growing chicks, except common grain food, gravel or grit and water.

To obtain the best results, fowls must be kept in a healthy condition and, in order to achieve this, a good tonic such as this should be fed regularly. This tonic keeps digestive apparatus, etc., in perfect condition and is unsurpassed by any other preparation of its kind on the market. It is highly concentrated and



Price, (Pkgs. 25c and 50c) (pails, 25 lbs. \$5.00.)

Guaranteed under the Pure Food and Drug Act, June 30, 1906. Serial No. 4237.

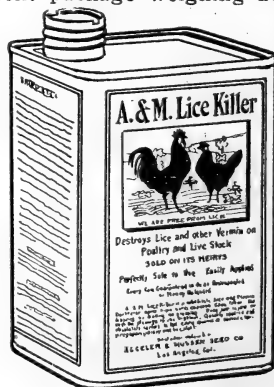
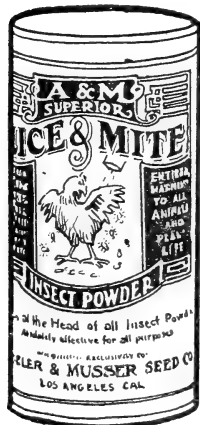
## A. & M. LICE AND MITE KILLER

Is a thoroughly good insect powder, being carefully pulverized, sifted and mixed, and is intended especially for killing lice on young chicks, setting hens, domestic animals, etc. It may be used freely about the nests of laying or setting hens without danger or injury to the eggs chicks, or fowls. The illustration shows design of new 25-cent package weighing 20 ounces and having sprinkler top under outside cap. This makes it very convenient of application. (20 oz. can 25c) (50 oz. can 50c).

## A. & M. LIQUID LICE KILLER

Perfectly Safe to Use. Sold on its Merits. Easily Applied.

Is a wholesome lice and vermin destroyer. Saves expense. Saves Labor. No dipping. No dusting. No greasing. Does not injure the fowls or mar the plumage in the applied and absolutely certain to



slightest. Quickly kill every species of parasite that prey on poultry and live stock. Prices (Quart can, 35c) (1/2 gal. can, 60c) (1 gal. can \$1.00). (Also in 5 gal. cans, \$4.00.)

## POULTRY REMEDIES



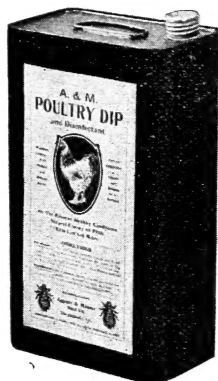
## A. &amp; M. ROUPOZONE

Disease Cure and Preventive  
Keeps Poultry in Healthy  
Condition. A Valuable  
Antidote For Many  
Diseases of Live Stock

Will cure Roup, cholera, Indigestion, Bowel Complaints, Canker, Frosted Combs, Chicken Pox, Swelled Head, Sores, Cuts, Wounds, Sore Eyes, etc., etc. Prevents the possibility of disease invading the chicken house. Also cures Sore Mouth, Sore Breast, Back of shoulders, Cracked Heels, Thrush Wounds, Cuts, Sores, Saddle Galls.

Full Directions on each bottle.

Prices (per 8 oz. bottle, 25c) (per 16 oz. bottle, 50c) (tablet form, 50c per box of 25 tablets).

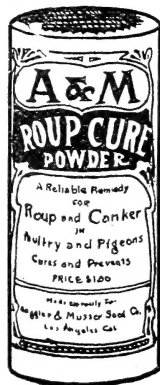


## A. &amp; M. ROUP COURE POWDER

Will cure a Cold in three or four days.  
Use one measure full to one gallon of drinking water. Directions on every package.  
Prices: 25c, 50c and \$1.00 per box.

## A. &amp; M. POULTRY DIP AND DISINFECTANT

Destroys Insects and Vermin on all animals. Kills Lice and Mites—Splendid Disinfectant. Its use assures a healthy condition. Price ( $\frac{1}{2}$  gal. 75c) (1 gal. \$1.25).



Wheat, Kaffir Corn, Egyptian Corn.—Prices made on application.

Mica Grit.—Per 100 lbs. \$1.00.

Clam Shell.—Per 100 lbs. \$1.00.

Oyster Shell.—Per 100 lbs. \$1.35.

Charcoal.—Pure Eastern Willow. Coarse, medium and fine. Per 100 lbs. \$2.50.

Blood Meal.—Per 100 lbs. \$4.00.

Meat Meal.—Per 100 lbs. \$2.50.

Bone Meal.—Coarse and fine. Per 100 lbs. \$2.75.

Armour's Beef Scraps.—Per 100 lbs. \$3.50.

Oil Cake and Flax Meal.—Prices on application.

Pigeon Peas.—Price on application.

If you want the best healthy Chicks feed Steinmesch Chick Feed. If you want Chicks free from Bowel trouble, feed Steinmesch Chick Feed. If you want to raise baby Chicks with the least care and free from disease, feed Steinmesch Chick Feed. Price \$3.25 per 100 lbs.

## Orange Seed

We have placed large contracts for sour and sweet Orange seed in order to have it when wanted. Write for prices.

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## POULTRY FOOD 130-159

# PLANTING CALENDAR

The following is a calendar for the general planting of vegetables, but, owing to the various soils and climatic conditions, this calendar cannot be applied to every locality, even in Southern California, for which this calendar is intended.

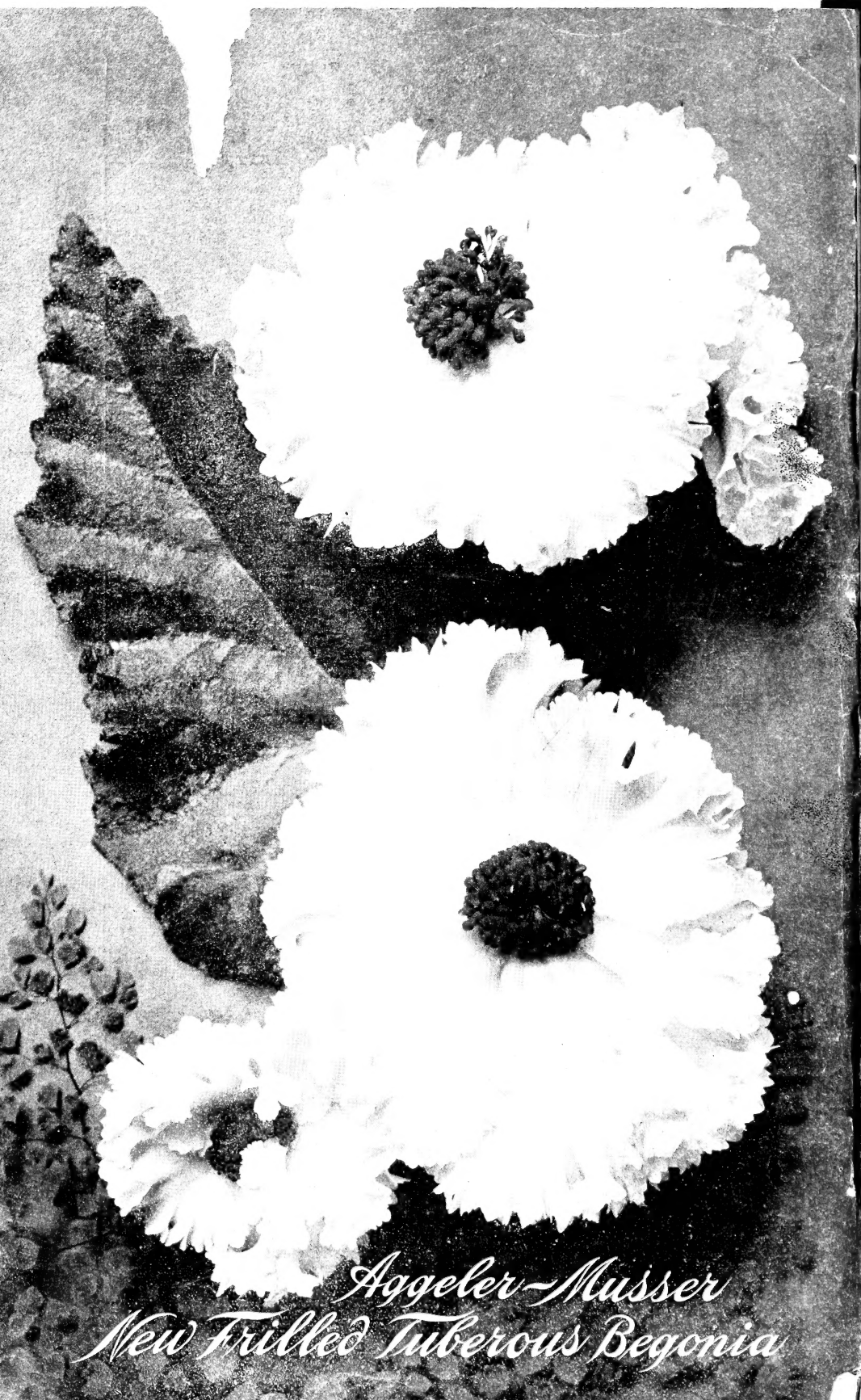
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCTOBER	NOVEMBER	DECEMBER
Asparagus *Beans Beets Brussels Sprouts Cabbage Celery Chicory Chives Chicory Corn Salad Cress *Egg Plant Horse Kale Radish Kohl Rabi Lettuce Mustard Onions Parsley Peas *Peppers Potatoes Radish Rhubarb Salsify Spinach, Winter *Tomato Turnip	Asparagus Beets *Beans Brussels Cabbage Celery Chicory Chives Chicory Corn Cress Corn Salad *Cucumbers *Egg Plant Horse Kale Radish Kohl Rabi Lettuce Mustard Onions Parsley Peas *Peppers Potatoes Radish Rhubarb Salsify Spinach, Summer *Tomato Turnips	Artichoke Asparagus Beets *Beans Brussels Cabbage Celery Chicory Chives Chicory Corn, Sweet and Field Cucumbers *Egg Plant Kale Lettuce Melons, Musk & Water Okra Onions Parsley Peas Potatoes, Sweet Rhubarb, Seed Salsify Spinach, Summer *Tomato	Artichoke, Seed Asparagus Beets Beans Cabbage Celery Chicory Chives Corn, Sweet and Field Cucumbers *Egg Plant Kale Lettuce Melons, Musk & Water Okra Onions Parsley Peas Potatoes, Sweet Rhubarb, Seed Salsify Spinach, Summer Squash *Tomatoes	Artichoke, Seed Asparagus, Beets Beans Cabbage Celery Chicory Chives Corn, Sweet and Field Plants Cucumbers *Egg Plant Lettuce Melons, Musk & Water, Okra Onions Parsley Peas *Peppers Potatoes, Sweet Transplant Potatoes, Sweet *Potatoes, Pumpkin Rhubarb, Seed Salsify Spinach, Summer Squash *Tomato	Artichoke, Seed Beets Beans Cabbage Cauliflower Cucumbers *Egg Plant Kale Kohl Rabi Lettuce Melons, Casabas Okra Onion Sets Parsley Peas *Peppers Potatoes Pumpkin Radish Spinach, Summer Squash *Tomatoes	Beets Beans Cabbage Cauliflower Cucumbers *Egg Plant Kale Kohl Rabi Lettuce Melons, Casabas Okra Onion Sets Parsley Peas *Peppers Potatoes Pumpkin Radish Spinach, Summer Squash *Tomatoes	Artichoke, Seed Beans Brussels Cabbage Cauliflower Chicory Chives Cress *Egg Plant Endive Garlic Kale Kohl Rabi Lettuce Mustard Onion Parsley Peas *Peppers Radish Rhubarb Salsify Spinach, Winter Turnip	Beets *Beans Brussels Sprouts Cabbage Carrots Cauliflower Chicory Chives Cress *Egg Plant Endive Garlic Kale Kohl Rabi Lettuce Mustard Onion Parsley Peas *Peppers Radish Rhubarb Salsify Spinach Turnip	Beets *Beans Brussels Sprouts Cabbage Carrots Cauliflower Chicory Chives Cress *Egg Plant Endive Garlic Kale Kohl Rabi Lettuce Mustard Onion Parsley Peas *Peppers Radish Rhubarb Salsify Spinach, Winter Turnip	Artichoke, Plants Asparagus, Roots Beets *Beans Brussels Cauliflower Chicory Cress Cauliflower Chicory Cress *Egg Plant Endive Garlic Kale Kohl Rabi Lettuce Mustard Onion Parsley Peas *Peppers Radish Rhubarb Salsify Spinach, Winter Turnip *Potatoes Radish Salsify Spinach, Winter Turnip	

\*Plant in frostless sections only.

†Plant seed in hot bed.

‡Plant both seed and plants.

\$Plant in low, heavy land.  
%in the Colorado Desert.



*Aggeler-Musser  
New Frilled Tuberous Begonia*